

CAMEDIA
DIGITAL CAMERA

D-595 ZOOM

C-500 ZOOM

Advanced Manual

Detailed explanations of all the functions for getting the most out of your camera.

Basic Operation

Shooting

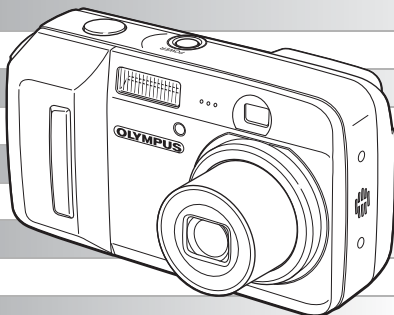
Playing Back

Printing

Online Pictures

Camera Settings

Troubleshooting



- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- In the interest of continually improving products, Olympus reserves the right to update or modify information contained in this manual.

How to use this manual

● Basic and Advanced Manuals

The instruction manual accompanying this camera is divided into two parts: the Basic Manual and the Advanced Manual (this document).

Basic Manual This manual helps you get used to the camera. It gives you easy-to-follow explanations on how to take pictures and view them.

Advanced Manual This manual introduces you to the camera's many functions after you have mastered the basics. It will help you to use the camera's capabilities to take much more creative pictures, with more fun!

● Indications used in this manual

Below is an explanation of how to read the instructions in this manual. Please read it carefully before proceeding.



Note

Important information on factors which may lead to a malfunction or operational problems. Also warns of operations that should be absolutely avoided.



TIPS

Useful information and hints that will help you get the most out of your camera.



Reference pages describing details or associated information.

For details on notation and how to read the procedure pages, see “How to read the procedure pages”. (P. 21)

Composition of the manual

You'll find important points for getting the most out of your camera here. Read this part before taking pictures.

Explanations of techniques from basics to advanced, giving you an understanding of all the functions related to taking pictures.

To view, edit and sort the pictures you have taken.

Settings to make your camera easier to use.

To print the pictures you have taken.

To enjoy the pictures you have taken on a computer. To use OLYMPUS Master.

Troubleshooting. For when you want to know the names of parts, see a list of menus, or find what you are looking for.

Table of Contents P. 4

Basic operation P. 8

Tips before you start taking pictures P. 22

Basic shooting functions P. 34

Additional shooting functions P. 45

Playback P. 60

Settings P. 80

Printing pictures P. 91

Connecting the camera to a computer P. 105

Appendix P. 121

Miscellaneous P. 138

1

2

3

4

5

6

7

8

9

10

The title page of each chapter gives a short description of the contents. Be sure to check it out.


Table of Contents

How to use this manual	2
Composition of the manual	3




1 Basic operation - - - - -8

How to use the shooting button and playback button	9
How to use the mode dial	12
How to use the direct buttons	13
Using the direct buttons	15
How to use the menus	16
About the menus	16
Using the menus	19
How to read the procedure pages	21








2 Tips before you start taking pictures - - - - -22

Holding the camera	23
When to use the monitor and viewfinder	24
If correct focus cannot be obtained	25
How to focus (focus lock)	25
Subjects that are difficult to focus on	26
Record mode 	27
Still picture record modes	27
Movie record modes	28
Number of storable still pictures/remaining recording time	28
To change the record mode	29
Recording pictures	30
Relationship between the internal memory and the card	30
Using a card (optional)	31
Card basics	31
Inserting a card	31














3 Basic shooting functions- - - - -34









Selecting a shooting mode according to the situation	35
Selecting scene modes by subject (SCENE SELECT)	37
Zooming in on a distant subject	39
Using the digital zoom	40
Taking close-up pictures (macro/super macro)  	41
Flash shooting 	42
Adjusting picture brightness (exposure compensation)	44

4 Additional shooting functions - - - - -45

Setting the aperture and shutter speed (manual shooting) M	46
Selecting light measurement points ESP 	46
Taking pictures in low light conditions (ISO)	47
Adjusting picture coloration WB	48
One-touch white balance 	49
Recording movies 	50
Recording sound with movies 	51
Sequential shooting 	52
Self-timer shooting 	53
Function shooting (BLACK & WHITE/SEPIA/VIVID).....	54
Panorama shooting	55
Taking two-in-one pictures	57
Recording sound with still pictures 	58
Noise reduction NR	59

5 Playback - - - - -60

Playing back still pictures	61
Selecting the number of pictures 	62
Picture rotation 	62
Slideshow 	63
Playing back movies 	65
Editing still pictures (ADD FRAME/BLACK & WHITE/SEPIA/ )....	66
Adding sound to still pictures 	68
Editing movies	69
Creating an index	69
Editing a movie.....	70
Playing back pictures on a TV.....	72
Selecting the video output.....	73
Displaying detailed shooting information INFO	74
Protecting pictures 	75
Copying pictures to a card (BACKUP)	76
Erasing pictures  	77
Single-frame erase 	77
All-frame erase 	78
Formatting  	79

6 Settings	80
Saving camera settings (ALL RESET)	81
Changing the display language 	82
Selecting a power on screen (PW ON SETUP)	83
Registering a power on screen (SCREEN SETUP)	84
Viewing pictures immediately (REC VIEW)	85
Setting warning sounds 	85
Setting operation sounds (BEEP)	86
Setting the shutter sound (SHUTTER SOUND)	86
Setting the playback volume (VOLUME)	87
Resetting the file name (FILE NAME)	88
Checking the image processing function (PIXEL MAPPING)	89
Adjusting the brightness of the monitor 	89
Setting the date and time 	90
7 Printing pictures	91
Direct printing (PictBridge)	92
Using the direct printing function	92
Printing pictures	93
Other print modes and print settings	96
If an error code is displayed	98
Print settings (DPOF) 	99
How to make print reservations	99
Single-frame reservation 	101
All-frame reservation 	102
Resetting print reservation data 	103
8 Connecting the camera to a computer	105
Flow	106
Using OLYMPUS Master	107
What is OLYMPUS Master?	107
Installing OLYMPUS Master	108
Connecting the camera to a computer	112
Starting up OLYMPUS Master	113
Displaying camera images on a computer	115
Downloading and saving images	115
Viewing still pictures and movies	117
Printing pictures	118
To download and save images to a computer without using OLYMPUS Master	120

9 Appendix - - - - - 121

Troubleshooting	122
Error codes.....	122
Troubleshooting	124
Camera care	130
AC adapter (optional)	131
Safety Precautions	132
Glossary of terms	136

10 Miscellaneous - - - - - 138

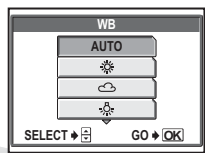
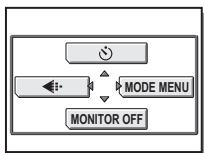
Menu list.....	139
List of factory default settings.....	144
Modes and shooting functions	146
Names of parts.....	148
Camera	148
Monitor indications	150
Index	153

Basic operation

Don't you feel that although your camera has many attractive functions, you are unable to use them confidently?

Now all you have to do is simply press the buttons on your digital camera. By setting the menus, you can easily do things like change where the light is metered or adjust the coloration of your picture.

Just display a menu on the monitor and use the buttons to choose a setting. Familiarize yourself with the buttons and menus before reading the explanations of the various functions.






Movies



Sequential shooting

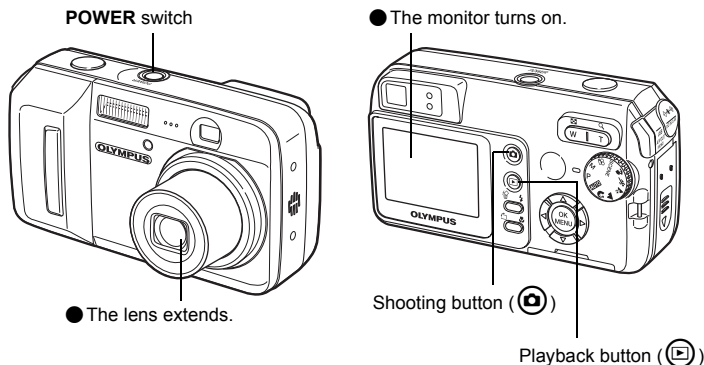
How to use the shooting button and playback button

This camera features a shooting mode and a playback mode. Shooting mode is for taking pictures and making shooting settings, whereas playback mode is for displaying pictures you have taken. To switch between the two modes, use  and . Press  on its own, to turn the camera on in playback mode.

● Turning the camera on in shooting mode

Press the **POWER** switch.



- The camera turns on in shooting mode. You are ready to take pictures.



To turn the camera off

→ Press the **POWER** switch. The lens retracts, and the monitor turns off.

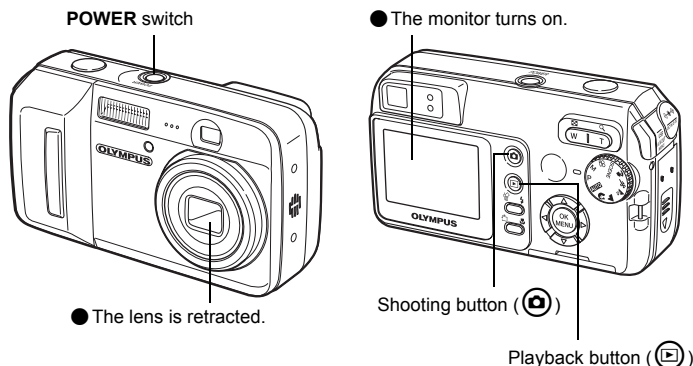
To enable playback mode

→ Press . The lens remains extended, and playback mode is enabled. Press  to return to shooting mode.

● Turning the camera on in playback mode

With the camera off, press .

- The camera turns on in playback mode. The last picture taken is displayed on the monitor.



To turn the camera off

→ Press the **POWER** switch. Or else, press . The monitor turns off.



To enable shooting mode

→ Press . The lens extends, and shooting mode is enabled. Press  to return to playback mode. The lens remains extended.

Note

- When the power is turned on, sometimes the monitor flashes before displaying the picture. This is not a malfunction.

● Switching between shooting mode and playback mode

Press  or  to switch between shooting mode and playback mode.

To take pictures (shooting mode)



- The subject is displayed on the monitor.

Press .

← Press .

To playback (playback mode)



- The last picture taken is displayed on the monitor.

Shooting mode/Playback mode notation

In this manual, the following icons indicate the camera mode necessary for using functions.



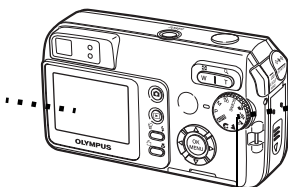
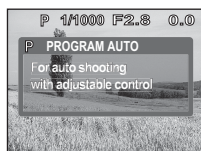
Indicates shooting mode



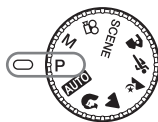
Indicates playback mode

How to use the mode dial

This camera is capable of taking still pictures and movies. Use the mode dial to switch between shooting modes before taking pictures. When the mode dial is set to a mode, the explanation for that mode is displayed on the monitor.



Mode dial



● About the mode dial

P	Suitable for general situations.
AUTO	Takes pictures in full auto.
	Suitable for taking portrait-style pictures.
	Suitable for taking pictures of landscapes.
	Suitable for taking pictures at night.
	Suitable for taking moving subjects.
	Suitable for taking your subject in front of a landscape.
SCENE	This function allows you to select from 10 situation-related modes set to the shooting conditions.
	Records movies.
M	This function allows you to set the aperture and shutter speed manually.

? TIPS

- For details of each mode, see “Selecting a shooting mode according to the situation” (P. 35).
- You can change the mode dial before and after turning the camera on.

Mode dial notation

In this manual, the following icons indicate the mode dial position for using shooting mode functions.



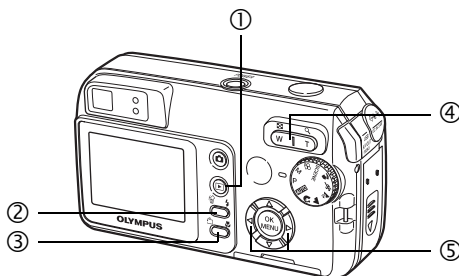
This indicates that the function is used with the mode dial set to .

- The mode dial is not indicated if the function can be used in multiple modes. See “List of factory default settings” (P. 144).

How to use the direct buttons

The buttons that can be used in shooting mode and playback mode differ.


● Shooting mode



- ①  (Playback) button

 P. 11

Enables playback mode

- ②  (Flash mode) button

 P. 42

For selecting the flash mode

- ③  (Macro) button

 P. 41


Enables macro mode or super macro mode

- ④ Zoom button

 P. 39

W : For wide-angle photography

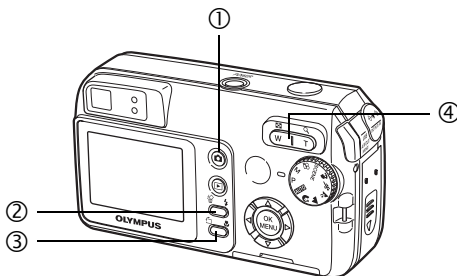
T : For telephoto photography

- ⑤  (Exposure compensation) buttons



 P. 44

For making fine changes to the exposure setting

● Playback mode




- | | | |
|-----------------------|---|---|
| ① |  (Shooting) button |  P. 11 |
| Enables shooting mode | | |

- | | | |
|--|--|---|
| ② |  (Erase) button |  P. 77 |
| Erases pictures displayed on the monitor | | |

- | | | |
|---------------------------------|---|---|
| ③ |  (Rotation) button |  P. 62 |
| Rotates pictures you have taken | | |

- | | | |
|---|-------------|---|
| ④ | Zoom button |  P. 61 |
|  : For index display | | |
|  : For close-up playback | | |

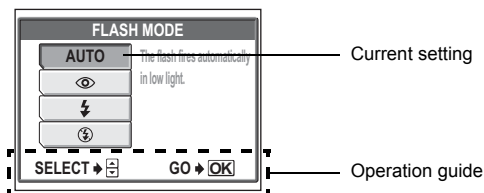
Using the direct buttons

Basic functions can be easily operated using the direct buttons. Use the arrow pad and  to make settings. Follow the buttons displayed on the screen to select and make each setting.

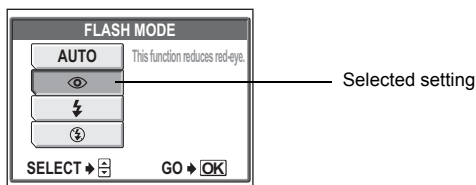
How to set the flash mode using the  button is shown below.

1 Press the button in shooting mode.

- The flash mode selection screen is displayed.




2 Press to select the flash mode.

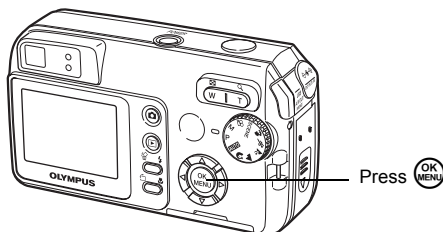


3 Press .

- The camera is ready to shoot.

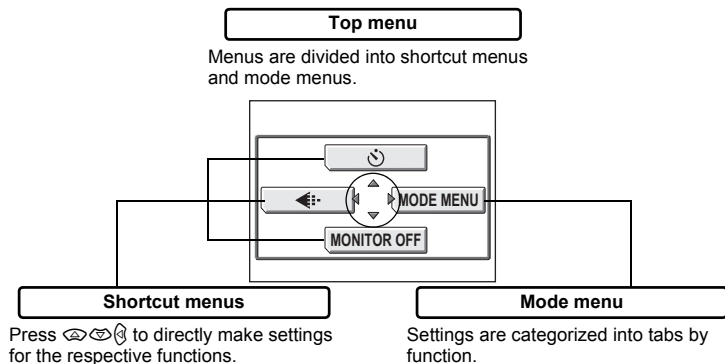
How to use the menus

The menu is displayed on the monitor when  is pressed either in shooting mode or playback mode. This menu is used to make all camera settings.





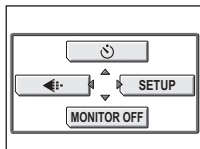
About the menus

The menu items displayed in shooting mode and playback mode differ.



? TIPS

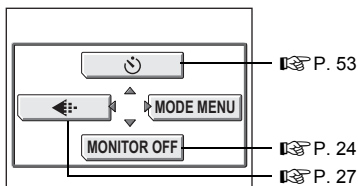
- In shooting mode, set the mode dial to **AUTO**, and press  to display [SETUP] instead of [MODE MENU].
 "Setup menu" (P. 18)



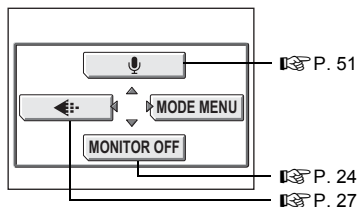
Shortcut menus



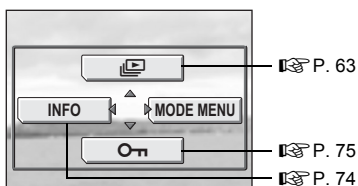
P M SCENE
mode (for still pictures)



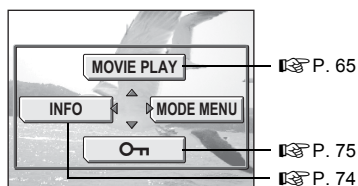
mode
(for movies)



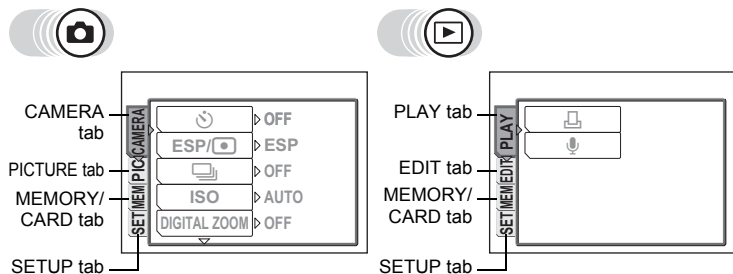
Still picture



Movie

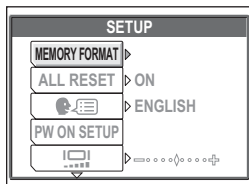


Mode menu



CAMERA tab	For setting shooting-related functions.	PLAY tab	For making print reservations and recording sound.
PICTURE tab	For making white balance settings.	EDIT tab	For editing saved pictures.
MEMORY/CARD tab	For formatting the internal memory or card. For backing up the internal memory to the card.	MEMORY/CARD tab	For formatting the internal memory or card and erasing all frames. For backing up the internal memory to the card.
SETUP tab	For making basic camera settings and settings that make the camera easier to use.	SETUP tab	For making basic camera settings and settings that make the camera easier to use.


Setup menu



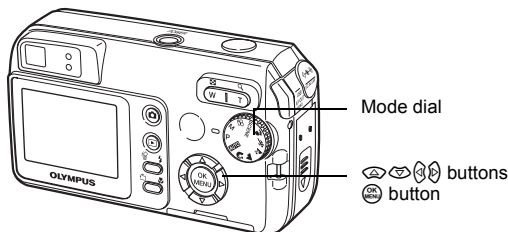
? TIPS

- The [MEMORY] tab is displayed when using the internal memory and the [CARD] tab is displayed when a card is inserted in the camera.
- Menu items common to the setup menu and the mode menus (in shooting mode and playback mode) apply to the same setting, and the setting can be made from any mode.
- For details of menu items in shooting mode and playback mode, see “Menu list” (P. 139).


Using the menus

Use the arrow pad and  to select and set menu items. Follow the operation guide and arrows on the screen to select and make settings. This section explains how to use the menus.


Ex: Making the [ISO] setting





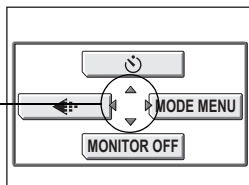
1 Set the mode dial to a mode other than **AUTO**.

2 Press  in shooting mode.

- The top menu is displayed.



3 Press  to select [MODE MENU].

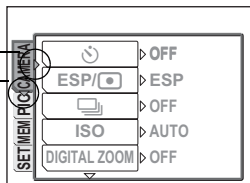
This refers to the arrow pad (   ).



4 Press to select the [CAMERA] tab, and press .

- Refer to the arrows on the screen to select a setting with the arrow pad.

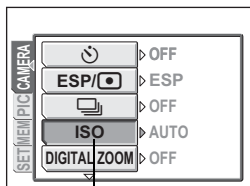
This refers to the arrow pad ( .



5 Press to select [ISO], and press .

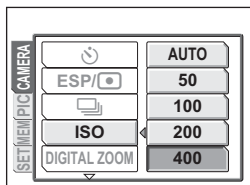
- Refer to the arrows on the screen to select a setting with the arrow pad.
- Unavailable settings cannot be selected.

The selected item appears indented.



6 Press to select the ISO sensitivity from [AUTO], [50], [100], [200] and [400], and press .

- Press  repeatedly to exit the menu.



Menu notation

In this manual, procedures for using the menus are expressed as follows.

- Ex: Steps 1 to 5 of making the [ISO] setting



Top menu ► [MODE MENU] ► [CAMERA] ► [ISO]

How to read the procedure pages

1

Basic operation

A sample of a procedure page is shown below explaining the notation. Look at it carefully before taking or viewing pictures.

● This indicates shooting mode or playback mode.
Both modes can be used when both icons are shown.
☞ “How to use the shooting button and playback button” (P. 9),
“Shooting mode/Playback mode notation” (P. 11)

Selecting a power on screen (PW ON SETUP)

You can set a screen or sound that is played back when the camera is turned on. You can also register your favorite picture and display it on the screen. ☞ “Registering a power on screen (SCREEN SETUP)” (P. 83)

● Select the menus in the order indicated by ► .
☞ “Using the menus” (P. 19),
“Menu notation” (P. 20)

● Procedures differ for **AUTO** mode.

● Available languages vary depending on the area where you purchased this camera.
☞ “Changing the display language” (P. 82)

1 From [SCREEN], select [OFF], [1] or [2], and press .

OFF No picture is displayed.
1 A picture is displayed.
2 The registered picture is displayed. If there is no registered picture, nothing is displayed.

2 From [SOUND], select [OFF], [1] or [2], and press .

OFF No startup sound is output.
1/2 Startup sound is output.
• The volume level is the same as that set

Recording movies

This function is for recording movies. These movies can be played back on the camera. Sound can also be recorded.

● Set the mode dial to one of these symbols.
☞ “Mode dial notation” (P. 12)

1 Decide the composition of the picture.

- The remaining recording time in the internal memory or card is displayed on the monitor.
- You can use the zoom button to enlarge your subject.

2 Press the shutter button fully to start recording.

- The focus and zoom are locked during recording.
- The orange lamp beside the viewfinder blinks while the movie is recorded in the internal memory or card.
- During movie recording, lights red.

3 Press the shutter button again to stop recording.

When the recording time is used up, recording stops.

This sample page is only for your reference. It may differ from the actual page in this manual.

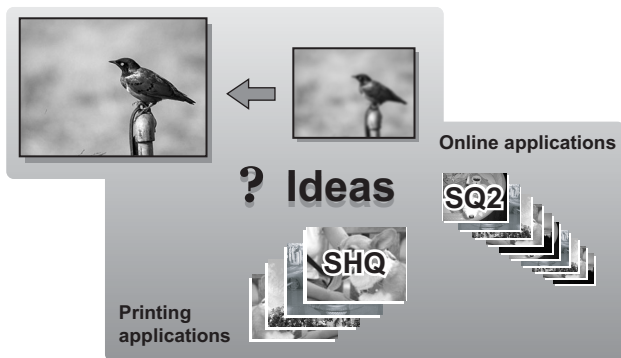
2

Tips before you start taking pictures

Your pictures are almost guaranteed to come out well just by setting the mode dial to **AUTO** or **P** and pressing the shutter button. But occasionally, you can't focus on your subject, or the subject is too dark, or the picture doesn't come out the way you want...

Just knowing which button to press or which setting to change can help you solve these problems.

And did you know that by selecting an image size according to how you plan to use the pictures afterwards, you can store more pictures on the memory card? These are just some of the hints provided in this chapter.



Holding the camera

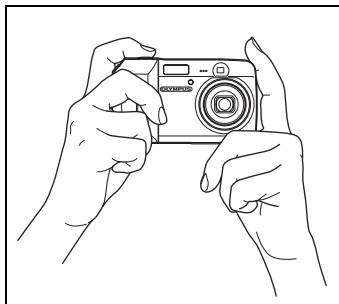
Sometimes when you look at a picture you have taken, the contours of the subject are blurred. This is often caused by movement of the camera at the precise moment that the shutter button is pressed.



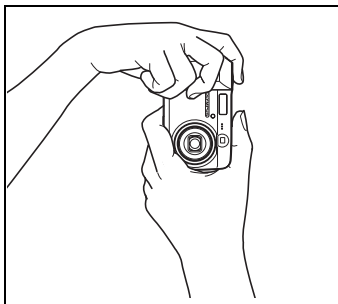
Picture where subject is not clearly defined

To prevent the camera from moving, hold the camera firmly with both hands while keeping your elbows at your sides. When taking pictures with the camera in the vertical position, hold the camera so that the flash is positioned higher than the lens. Keep your fingers and the strap away from the lens and flash.

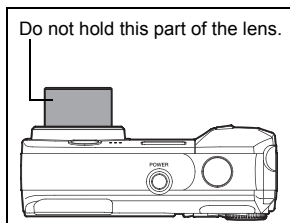
Horizontal grip



Vertical grip



Top view

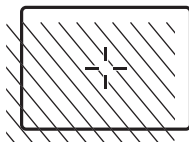


When to use the monitor and viewfinder

● Features of the monitor and viewfinder

	Monitor	Viewfinder
Advantages	You can check the picture area that the camera actually records.	Camera movement does not occur easily and subjects can be seen clearly even in bright places. Little battery power is used.
Disadvantages	Camera movement occurs easily and subjects may be difficult to see in bright/dark places. The monitor uses more battery power than the viewfinder.	When close to a subject, the image in the viewfinder differs slightly from the picture that the camera actually records.
Tips	Use the monitor when you need to know the exact area the camera records, or to take a close-up of a person or flower (macro shooting).	Use the viewfinder for general snapshots, landscape pictures and other casual shots.

Viewfinder



- The camera records a wider area than the image in the viewfinder.
- As you get closer to the subject, the actual image recorded (the shaded area in the illustration on the left) differs slightly from the image in the viewfinder.

? TIPS

To turn the monitor off and take pictures using the viewfinder

→ In shooting mode, press to display the top menu, and press . The monitor turns off. Repeat the steps to turn the monitor on.

When the monitor turns off automatically

→ If the camera is not used for over 3 minutes, the monitor turns off automatically. To turn the monitor on, press or the shutter button.

To adjust the brightness of the monitor

→ Adjust the brightness with the settings. "Adjusting the brightness of the monitor" (P. 89)

When the monitor is hard to see

→ Bright light, such as direct sunlight, may cause vertical lines (smears) to appear on the image in the monitor. This does not affect recorded pictures.

If correct focus cannot be obtained

The camera automatically detects the focus target in the frame. The level of contrast is one of the criteria it uses to detect the subject. The camera may fail to determine subjects with lower contrast than the surroundings or with an area of extremely strong contrast in the frame. If this happens, the simplest solution is to use the focus lock.

How to focus (focus lock)



1 Position the AF target mark on the subject you want to focus on.

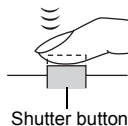
- When shooting a hard-to-focus or fast-moving subject, focus the camera on an object about the same distance away as the subject.



AF target mark

2 Press the shutter button halfway until the green lamp lights.

- When the focus and exposure are locked, the green lamp lights.
- The AF target mark moves to the focus position.
- When the green lamp blinks, the focus and exposure are not locked. Release your finger from the shutter button, re-position the AF target mark on the subject and press the shutter button halfway again.



Shutter button

3 Keeping the shutter button pressed halfway, recompose your shot.

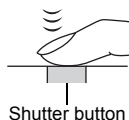
Green lamp



2

Tips before you start taking pictures

4 Press the shutter button fully.



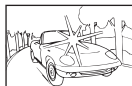
Subjects that are difficult to focus on

Under certain types of conditions, the auto focus may not work properly.

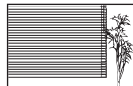
The green lamp blinks.
The subject cannot be brought into focus.



Subject with low contrast



Subject with an extremely bright area in the center of the frame

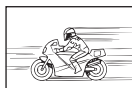


Subject without vertical lines

The green lamp lights,
but the subject cannot be brought into focus.



Subjects at different distances



Fast-moving subject



The subject is not in the center of the frame

In these cases, focus (focus lock) on an object with high contrast at the same distance as the intended subject, recompose your shot and then take the picture. If the subject has no vertical lines, hold the camera vertically and focus the camera using the focus lock function by pressing the shutter button halfway, then return the camera to the horizontal position while keeping the button pressed halfway and take the picture.

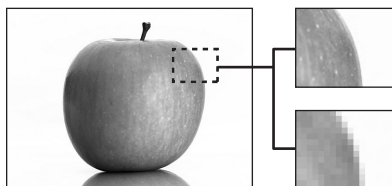


You can select a record mode in which to take pictures or shoot movies. Select the best record mode for your purpose (printing, editing on a computer, website editing, etc.). For information on the image sizes for each record mode and memory capacity, see the table on P. 28.

Still picture record modes

Record mode depicts the image size and compression rate of pictures you wish to record.

Pictures are made from thousands of dots (pixels). If a picture with relatively few pixels is enlarged, it looks like a mosaic. A picture with many pixels is denser and clearer, but requires a larger file size (data size), decreasing the number of pictures that can be saved. Increasing the compression rate reduces the file size, but makes the pictures appear grainy.



Picture with high number of pixels

Picture with low number of pixels

Image size becomes larger ↑	Image becomes clearer ←		
	Application	Image size	Compression
Select according to print size		2560 × 1920	Low compression SHQ
		1600 × 1200	High compression HQ
For small-sized prints and websites		640 × 480	Low compression SQ1
			High compression SQ2

Image size

The number of pixels (horizontal × vertical) used when saving an image. Save your pictures in a large image size to get clearer prints.

Compression

Image data is compressed and recorded. The higher the compression, the less clear the image will be.

Movie record modes

Movies are recorded in Motion-JPEG format.

Number of storable still pictures/remaining recording time

Still pictures

Record mode	Image size	Number of storable still pictures			
		Internal memory		Card (Using a 32 MB card)	
		With sound	Without sound	With sound	Without sound
SHQ	2560 × 1920	3	3	8	8
HQ	2560 × 1920	11	11	25	26
SQ1	1600 × 1200	26	27	60	64
SQ2	640 × 480	108	144	248	331

Movies

Record mode	Image size	Remaining recording time (sec.)			
		Internal memory		Card (Using a 32 MB card)	
		With sound	Without sound	With sound	Without sound
HQ	320 × 240 (30 frames/sec.)	20 sec.	20 sec.	47 sec.	48 sec.
SQ	320 × 240 (15 frames/sec.)	40 sec.	41 sec.	93 sec.	96 sec.



Number of storable still pictures



Remaining recording time

? TIPS

- When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken with an image size of 1,024 × 768 fills the screen if you set the picture to 1× when the monitor setting is 1,024 × 768. However, if the monitor setting is over 1,024 × 768 (such as 1,280 × 1,024), the picture only takes up part of the screen.

! Note

- The number of storable still pictures and remaining recording times listed in the table are approximate.
- The number of storable still pictures may change according to the subject or factors like whether print reservations have been made or not. In certain instances, the number of remaining pictures does not change even when you take pictures or stored images are erased.
- If movies are shot with [VIDEO OUT] set to [PAL] and the AV cable connected, the movie recording time will differ from the time listed in the "Number of storable still pictures/remaining recording time" table.

2


Tips before you start taking pictures

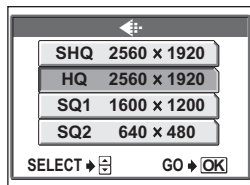
To change the record mode




Top menu ▶ [◀:]

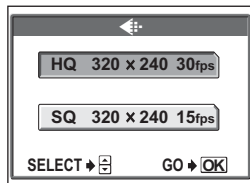
☞ "How to use the menus" (P. 16)

- 1** Select [SHQ], [HQ], [SQ1] or [SQ2], and press .



For still pictures

For movies, select [HQ] or [SQ], and press .



For movies

Recording pictures

Pictures taken are stored in the internal memory.

You can also use an optional xD-Picture Card (referred to as “card” in this manual) to store pictures. The card has greater capacity than the internal memory, and so is able to store more pictures. The card is convenient, for example, when you are traveling and you want to take a lot of pictures.

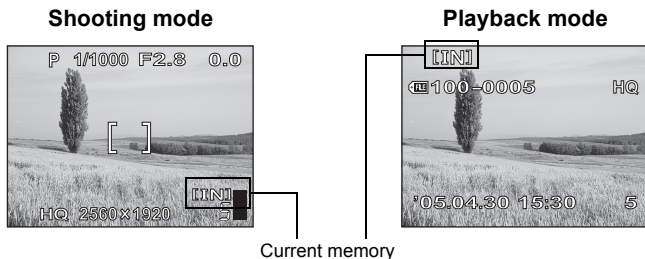
● Internal memory basics

The internal memory corresponds to the film of a normal camera for recording pictures you have taken.


Pictures recorded and stored in the internal memory can easily be erased, overwritten, and/or edited on a computer. The internal memory cannot be replaced or removed from the camera.

Relationship between the internal memory and the card

The monitor displays which memory (internal or card) is being used for shooting and displaying images.



Monitor indications	Shooting mode	Playback mode
[IN]	Stores to the internal memory.	Plays the pictures stored in the internal memory.
[xD]	Stores to the card.	Plays the pictures stored on the card.

- The internal memory and the card cannot be used at the same time.
- When the card is inserted, the internal memory is disabled. When you want to use the internal memory, remove the card.
- You can copy all the image data stored in the internal memory to a card.
 “Copying pictures to a card (BACKUP)” (P. 76)

Using a card (optional)

An optional card is available for this camera.

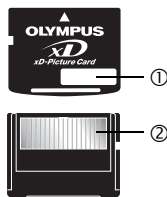
Card basics

The card corresponds to the film of a normal camera for recording the pictures you have taken.

Pictures recorded and stored on the card can easily be erased, overwritten, and/or edited on a computer.

Using a card with larger capacity increases the number of pictures you can record.

- ① Index area
You can use this space to write the contents of the card.
- ② Contact area
The part where the data transferred from the camera enters the card.



Compatible cards

- xD-Picture Card (16 to 512 MB)



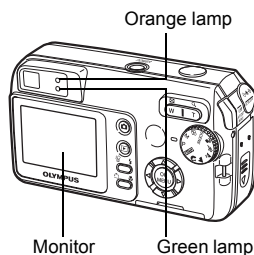
Note

- This camera may not recognize a non-Olympus card or a card that was formatted on another device (computer, etc.). Before use, be sure to format the card on this camera. “Formatting” (P. 79)

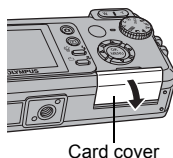
Inserting a card

1 Make sure the camera is turned off.

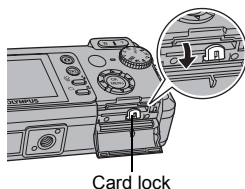
- The monitor is off.
- The green lamp and the orange lamp beside the viewfinder are off.
- The lens is retracted.



2 Open the card cover.



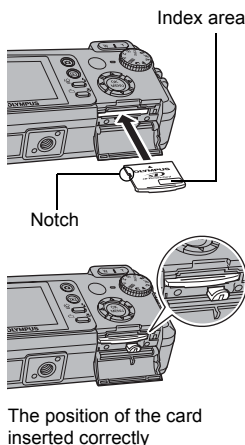
3 Open the card lock.



● Inserting the card

4 Orient the card as shown, and insert it into the card slot as shown in the illustration.

- Insert the card while keeping it straight.
- The card stops with a click when it is inserted fully.
- Inserting the card the wrong way or at an angle could damage the contact area or cause the card to jam.
- If the card is not inserted fully, data may not be written to the card.



● Removing the card

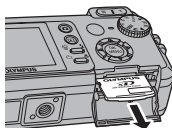
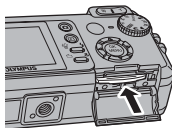
4 Push the card all the way in and release slowly.

- The card protrudes slightly and stops.

Caution

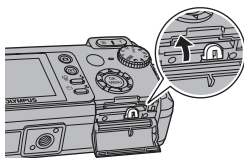
Releasing your finger quickly after pushing the card all the way in may cause it to eject forcefully out of the slot.

- Grasp the card and remove.

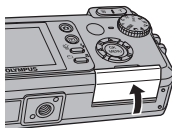


5 Close the card lock.

- Close the card lock or else the card cover does not close.



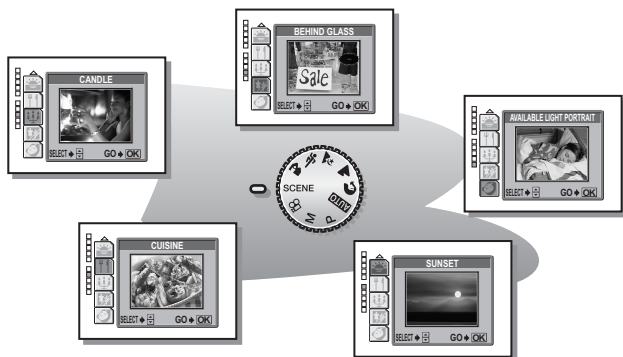
6 Close the card cover.



3

Basic shooting functions

A professional photographer adjusts the exposure to the optimal setting, chooses the best focusing method and even selects the type of film according to the subject. With a digital camera, you don't need to learn how to make difficult settings. Your camera will adjust the settings for you! All you have to do is choose a scene mode according to whether you are taking a landscape, a night scene, a portrait-style image or whatever, and the camera will set the best exposure and white balance. There's nothing to it – just press the shutter button!



Selecting a shooting mode according to the situation

Use the mode dial to switch between shooting modes before taking pictures. You can take pictures with the optimum settings by setting the mode dial according to the shooting conditions or purpose.

● Shooting mode

P Program Auto

Suitable for general situations. The camera automatically uses settings that captures the scene in its natural colors. You can set other functions such as exposure compensation as desired.

AUTO Auto

Takes pictures in full auto.

Portrait

Suitable for taking a portrait-style shot of a person. This mode is optimum for reproducing silky skin tones.

Landscape

Suitable for taking pictures of landscapes and other outdoor scenes. Both the foreground and the background are in focus. Since blues and greens are vividly reproduced in this mode, it is excellent for shooting natural scenery.

Night Scene*

Suitable for shooting pictures in the evening or at night. The camera sets a slower shutter speed than is used in normal shooting. For example, if you take a picture of a street at night in **P** mode, the lack of brightness will result in a dark picture with only dots of light. In the Night Scene shooting mode, the true appearance of the street is captured. Since the shutter speed is slow, make sure that you stabilize the camera by using a tripod.

Sports

Suitable for capturing fast-moving action (such as sports) without blurring. Even fast-moving subjects appear to be stationary.

Landscape+Portrait

Suitable for taking pictures of both your subject and the landscape. The picture is taken with the background as well as the subject in the foreground in focus. You can take pictures of your subject against a beautiful sky or landscape.

SCENE

This function allows you to select from 10 situation-related modes set to the shooting conditions.

🔍 “Selecting scene modes by subject (SCENE SELECT)” (P. 37)

🎬 Movie

Records movies. As the focus and zoom are locked while recording, be sure to keep the distance between the camera and subject constant to avoid losing focus. Sound is recorded with the movie.

🔍 “Recording movies” (P. 50)

M Manual

This function allows you to set the aperture and shutter speed manually.

🔍 “Setting the aperture and shutter speed (manual shooting)” (P. 46)

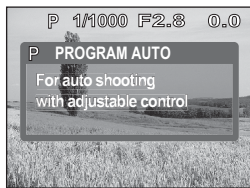
* Noise reduction is automatically enabled when the subject is dark. Processing time between shots is doubled and you cannot take pictures during this time. Also, the picture is slightly larger than normal.



1 Set the mode dial to the desired icon: **P**, **AUTO**, **S**, **A**, **M**, **SCN**, or **SCENE**.

- When the mode dial is set to a mode, the explanation and a sample scene of that mode is displayed momentarily on the monitor.

2 Take the picture.



? TIPS

- The settings that can be made vary according to each mode. 🔍 “Modes and shooting functions” (P. 146)

Selecting scene modes by subject (SCENE SELECT)

By setting the mode dial to **SCENE**, you can select an additional 10 situation-related modes. Each scene mode features preset settings such as white balance, exposure, and shutter speed, letting you take pictures just by pressing the shutter button.

● Scene modes

Self Portrait

Lets you take pictures of yourself while holding the camera. As the camera is set to focus on a subject that is close, the zoom is locked to wide-angle, and cannot be changed.

Indoor

Optimum for taking pictures of gatherings. This mode reproduces the background clearly capturing the atmosphere.

Beach

Optimum for taking pictures at the beach under blue skies. This mode reproduces the colors of the sky, greenery, and people clearly.

Snow

Optimum for taking pictures on the snowfields. This mode reproduces the colors of the sky, greenery, and people clearly.

Fireworks*

Optimum for taking pictures of fireworks in the night sky. Since the shutter speed is slow, stabilize the camera before taking pictures.

Sunset*

Optimum for taking pictures of the setting sun. This mode reproduces reds and yellows vibrantly. Since the shutter speed is slow, stabilize the camera before taking pictures.

Cuisine

Optimum for taking pictures of your favorite dishes. This mode clearly reproduces the different colors found in cooking.

Candle*

Optimum for taking pictures with the ambience that candle light creates. This mode reproduces warm colors. Since the shutter speed is slow, stabilize the camera before taking pictures.

Behind Glass

Optimum for taking pictures of subjects through glass.


Available Light Portrait*

This mode lets you take pictures in low light without using the flash. Since the shutter speed is slow, stabilize the camera before taking pictures.

* Noise reduction is automatically enabled when the subject is dark. Processing time between shots is doubled and you cannot take pictures during this time. Also, the picture is slightly larger than normal.

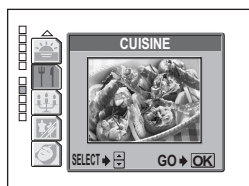


Top menu ► [SCENE SELECT]

 "How to use the menus" (P. 16)

1 Press   to select a scene mode, and press .

- When you choose a scene type, a sample scene is displayed on the right of the screen.



Zooming in on a distant subject

You can zoom in on your subject using the optical zoom and digital zoom. With the optical zoom, the image is enlarged on the CCD when the lens magnification is changed, and the image is formed by all the CCD pixels. With the digital zoom, the area at the center of the image captured by the CCD is cropped and enlarged. When you zoom in on a subject, you are essentially taking a small area of the picture and making it bigger. Therefore, the greater the magnification with the digital zoom, the grainier the resulting picture will be.

The following zoom magnifications are available on this camera.

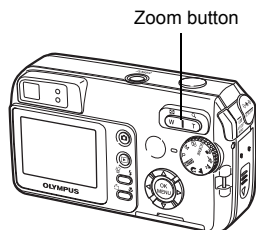
Optical zoom 3× (equivalent to 38 mm to 114 mm on a 35 mm camera)

Optical zoom × digital zoom Max. 12×

Note that camera movement is likely to occur at higher magnifications.



1 Press the zoom button.



Zoom out:
Press W on the zoom button.



Zoom in:
Press T on the zoom button.




Using the digital zoom

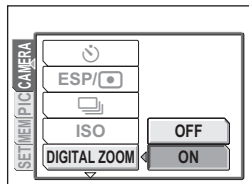
To use the digital zoom, set [DIGITAL ZOOM] to [ON].



Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [DIGITAL ZOOM]

☞ "How to use the menus" (P. 16)

- 1 Select [ON], and press .
- 2 Press T on the zoom button.



Optical zoom



The white area of the zoom indicator indicates the optical zoom. If the [DIGITAL ZOOM] is set to [ON], a red area is displayed on the zoom indicator. When you reach the limit of the optical zoom, the digital zoom is enabled.

Digital zoom



The cursor moves up and down the zoom indicator according to the zoom magnification. The cursor turns orange when inside the digital zoom area.

Note

- The picture may appear grainy when taken inside the digital zoom range.
- [DIGITAL ZOOM] is not available when the monitor is turned off.

Taking close-up pictures (macro/super macro)



Focusing is usually slow when you get close to a subject (wide-angle: 20 cm/7.9" to 50 cm/19.7"; telephoto: 60 cm/23.6" to 90 cm/35.4"). However, in macro mode focusing is performed quickly.

- This mode lets you shoot from as close as 20 cm/7.9" to your subject (when the optical zoom is at the greatest wide-angle).
- This mode lets you shoot from as close as 2 cm/0.8" to your subject. In the [s] mode, normal shooting is also possible, but the position of the zoom is fixed automatically and cannot be adjusted.

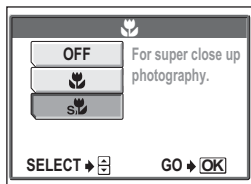


1 Press the button.

- The macro settings screen is displayed.
 "How to use the direct buttons"
(P. 13)

2 Select [] or [], and press .

3 Take the picture.



Note

- If you are close to a subject, the picture in the viewfinder is different from the area that the camera actually records. For macro mode shooting, use the monitor.
- If you use the flash in macro shooting, shadows may be noticeable and the correct exposure may not be achieved.
- During super macro shooting, the zoom and flash are not available.

Flash shooting



Select the flash mode best suited to the light conditions and the effect you want to achieve.

Flash working range

W (max.): Approx. 0.2 m to 3.7 m (0.7 ft. to 12.1 ft.)

T (max.): Approx. 0.6 m to 2.1 m (2.0 ft. to 6.9 ft.)

Auto-flash (No indication)

The flash fires automatically in low light or backlight conditions.

Red-eye reduction flash (👁)

The light from the flash may make the subject's eyes appear red in the picture. The red-eye reduction flash mode reduces this phenomenon by emitting pre-flashes before firing the regular flash.



The subject's eyes appear red.

! Note

- After the pre-flashes, it takes about 1 second before the shutter is released. Hold the camera firmly, and prevent it from moving.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the shooting subject is too far. Individual physical characteristics may also limit effectiveness.

Fill-in flash (⚡)

The flash fires regardless of the available light. This mode is useful for eliminating shadows on the subject's face (such as shadows from tree leaves), in a backlight situation, or for correcting the color shift produced by artificial lighting (especially fluorescent light).



! Note

- The fill-in flash may not have the desired effect under excessively bright light.

Flash off (🔌)

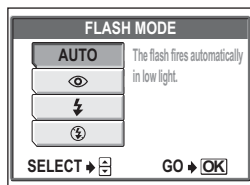
The flash does not fire even in low light conditions. Use this mode in situations where flash photography is not desired or is prohibited. You can also use this mode when shooting landscapes, sunsets, and other subjects outside the range of the flash.

! Note

- Since a slow shutter speed is automatically selected in low light situations when in the flash off mode, the use of a tripod is recommended to prevent your pictures from being blurred by camera movement.



- 1 Press the **⚡** button.
 - The flash mode settings screen is displayed.
 - ☞ “How to use the direct buttons” (P. 13)
- 2 Select a flash mode, and press **OK**.
- 3 Press the shutter button halfway.
 - In conditions where the flash will fire, **⚡** lights (flash stand-by).
- 4 Press the shutter button fully to take the picture.



? TIPS

The **⚡** (flash charge) mark blinks.

→ The flash is charging. Wait until **⚡** and the orange lamp beside the viewfinder turn off.

! Note

- The flash does not fire in the following situations:
Sequential shooting, super macro, or panorama.
- [AUTO] and [EYE] are not available in **M** mode.
- The flash may not give you the optimum result in macro mode with the zoom set to wide-angle (W). Check the resulting picture on the monitor.

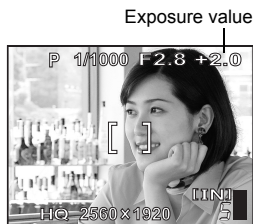
Adjusting picture brightness (exposure compensation)

This function allows you to make fine changes to the exposure setting. You can adjust the exposure in the range of ± 2.0 EV in $1/3$ EV steps. When the setting is changed, you can check the result on the monitor.



1 Press to select a setting.

- Plus [+] increases brightness and minus [-] decreases brightness.



2 Take the picture.

? TIPS

- Often bright subjects (such as snow) will turn out darker than their natural colors. Adjust toward + to make these subjects closer to their real shades. For the same reason, adjust toward – when taking dark subjects.
- In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually.

! Note

- If the flash is used, the image brightness (exposure) may differ from the intended brightness.
- Exposure compensation cannot correct the image if the surroundings of the subject are extremely bright or dark.

Additional shooting functions

4

At a sporting event...

Use movie mode to capture the atmosphere by recording the cheers and applause along with the action. Or use sequential shooting mode to take a succession of shots of a goal and pick out the best ones later.

In the country or at a tourist spot...

Use panorama mode* to capture a beautiful mountain range or impressive building.

At a party or family gathering...

Use the self-timer function to take group photos at school reunions or birthday parties.

When you want to add a special effect...

Add a sepia effect to produce an old-fashioned touch, or a black & white effect to produce a clear, sharp image while checking the picture on the monitor.

* Requires Olympus xD-Picture Card sold separately.



Setting the aperture and shutter speed (manual shooting)



You can enjoy taking pictures at different aperture values and shutter speeds.



1 Set the aperture and shutter speed.

- : Switches the aperture value between 2 levels.
- : Sets a faster shutter speed.
- : Sets a slower shutter speed.

Aperture range:

Aperture value : F2.8 to F7.0

Shutter speed : 15" to 1/2000

Exposure differential

Aperture value

Shutter speed



! Note

- To avoid camera movement, you are recommended to use a tripod when taking pictures requiring a slow shutter speed.

Selecting light measurement points

ESP



Using ESP metering when taking pictures of subjects with strong backlighting may cause the subject to be dark. Use spot metering to get pictures with an accurate reading from the center without being affected by the light from behind.

ESP Meters the center of the monitor and the surrounding area separately. The area in the center of the monitor may appear dark when there is strong backlight.

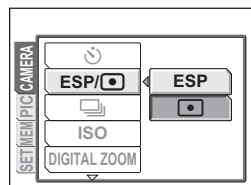
Meters only the center of the monitor to determine exposure. A subject can be shot with optimal exposure regardless of the background light.



Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [ESP/]

"How to use the menus" (P. 16)

1 Select [ESP] or [], and press



Taking pictures in low light conditions (ISO)

The higher the ISO value, the greater the camera's light sensitivity and the better its ability to shoot in low light conditions. However, higher values also introduce electrical noise into the resulting picture, which may give it a grainy appearance.

AUTO

Sensitivity is automatically adjusted according to the light conditions and the subject brightness.

50/100/200/400


With a lower ISO setting, you can shoot clear, sharp images in daylight. With a higher ISO setting, you can shoot in dark places.

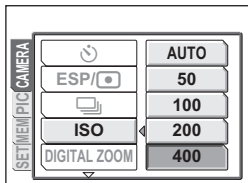


Top menu ► [MODE MENU] ► [CAMERA] ► [ISO]

👉 "How to use the menus" (P. 16)

1

Select [AUTO], [50], [100], [200], or [400], and press .



Note

- [AUTO] is not available in **M** mode.
- ISO settings are based on the sensitivity of normal camera film. The scale is approximate.
- When [ISO] is set to [AUTO] and you are shooting in dark conditions without a flash, the shutter speed is reduced. In this case, the sensitivity is automatically increased to avoid the risk of camera movement.
- If the subject is too far away for the flash illumination to reach when [ISO] is set to [AUTO], the sensitivity is automatically increased.

4

Additional shooting functions

The color of the subject differs depending on lighting conditions. For instance, when daylight, the setting sun, or tungsten lighting are reflected on white paper, the shade of white produced will be slightly different for each. By setting the white balance, you can achieve more natural-looking colors.

AUTO The white balance is adjusted automatically so that colors look natural irrespective of the light source.



For natural colors under a clear sky.



For natural colors under a cloudy sky.



For natural colors under tungsten lighting.



For natural colors under fluorescent lighting.

For setting a more precise white balance than is available with other white balance settings. To set the optimum white balance for the shooting conditions, point the camera at a white object under the light source you want to use and adjust the white balance.

"One-touch white balance" (P. 49)

4

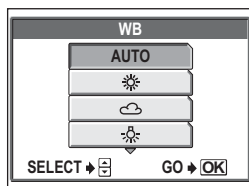
Additional shooting functions



Top menu ► [MODE MENU] ► [PICTURE] ► [WB]

"How to use the menus" (P. 16)

1 Select a white balance setting, and press .



? TIPS

- You can select a white balance setting other than the actual light source, and enjoy the different color tones on the monitor.

One-touch white balance

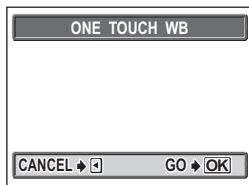


Top menu ▶ [MODE MENU] ▶ [PICTURE] ▶ [WB] ▶ []

☞ "How to use the menus" (P. 16)

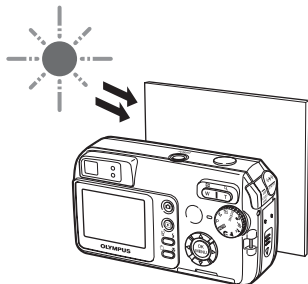
1 Display the [ONE TOUCH WB] screen and point the camera at a sheet of white paper.

- Position the paper so that it fills the screen, making sure there are no shadows.



2 Press .

- The white balance is set and the screen returns to the mode menu.



One-touch white balance

! Note

- When setting the white balance by pointing the camera at a sheet of white paper, the correct setting may not be obtained if the light reflected by the paper is too bright or too dark.
- White balance may not be effective under some special light sources.
- After setting a white balance other than [AUTO], play back the picture and check the colors on the monitor.
- When the flash is fired with a white balance setting other than [AUTO], colors may appear different in the resulting picture from the colors you see on the monitor.
- When using situation-related modes, the white balance is automatically set according to each mode.



This function is for recording movies. These movies can be played back on the camera. Sound can also be recorded.




1 Decide the composition of the picture.

- The remaining recording time in the internal memory or card is displayed on the monitor.
- You can use the zoom button to enlarge your subject.



Remaining recording time

2 Press the shutter button fully to start recording.

- The focus and zoom are locked during recording.
- The orange lamp beside the viewfinder blinks while the movie is recorded in the internal memory or card.
- During movie recording,  lights red.




3 Press the shutter button again to stop recording.


- When the remaining recording time has been used up, recording stops automatically.
- When there is space in the internal memory or card, the remaining recording time (P. 28) is displayed, and the camera is ready to shoot.

? TIPS

To use the zoom during movie recording

- Set [DIGITAL ZOOM] to [ON].  "Using the digital zoom" (P. 40)
- If you set [] to [OFF], you can use the optical zoom during movie recording.

! Note

- The flash cannot be used.
- Remaining recording time may become exhausted quickly during recording. Try formatting the internal memory or card with your camera before continuing recording.  "Formatting" (P. 79)

Notes for recording long movies

- The camera continues to record the movie until the shutter button is pressed again or the space in the internal memory or card is exhausted.
- A long recorded movie cannot be edited. (P. 69)
- If a single movie recording uses up all of the space in the internal memory or card, create space by erasing the movie or downloading it to a computer.

Recording sound with movies

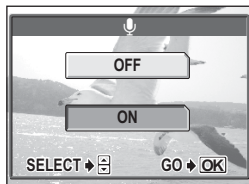
Sound can be recorded while shooting a movie.



Top menu ► [U]

👉 "How to use the menus" (P. 16)

1 Select [ON], and press

**Note**

- If the camera is more than 1 m (3.3 ft.) away from the source of the sound, sound may not be recorded clearly by the built-in microphone.

Sequential shooting




Takes still pictures in succession. The focus, exposure, and white balance are locked at the first frame.

Approx. 5 frames at 1.2 frames/sec. (in HQ mode)



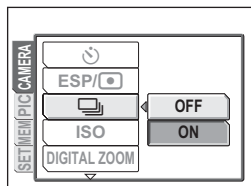
Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ []

☞ "How to use the menus" (P. 16)

1 Select [ON], and press .

2 Take the picture.

- Press the shutter button fully and keep it pressed. The camera will take pictures in sequence until you release the button.



Note

- The flash does not fire during sequential shooting.
- Sequential shooting is not available when the record mode is set to SHQ.
- If the battery power is low and the battery check blinks during sequential shooting, shooting stops and the camera starts saving the picture you have taken. Whether or not all of the shots are saved depends on how much battery power remains.



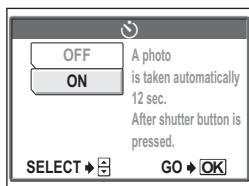
This function lets you take pictures using the self-timer. Fix the camera securely on a tripod for self-timer shooting. This function is useful for taking pictures when you want to be included in the photograph.



Top menu ▶ [☺]

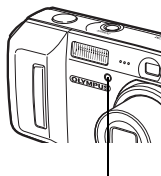
☞ "How to use the menus" (P. 16)

1 Select [ON], and press



2 Press the shutter button fully to take the picture.

- Pressing the shutter button halfway locks the focus and exposure.
- The self-timer lamp lights for approximately 10 seconds, then starts blinking. After blinking for approximately 2 seconds, the picture is taken.
- To stop shooting while in , press the shutter button fully again.
- To cancel the self-timer, press .
- The self-timer mode is automatically canceled after one shot.



Self-timer lamp

Note

- If sequential shooting is attempted in self-timer mode, the camera shoots 5 frames at most regardless of the setting.

4

Additional shooting functions

Function shooting (BLACK & WHITE/SEPIA/VIVID)

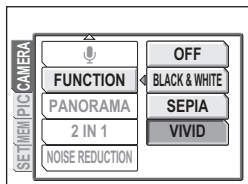
BLACK & WHITE	For taking pictures in black and white.
SEPIA	For taking pictures in sepia.
VIVID	Enhances the vividness of colors.



Top menu ► [MODE MENU] ► [CAMERA] ► [FUNCTION]

"How to use the menus" (P. 16)

- 1 Select [BLACK & WHITE], [SEPIA], or [VIVID], and press .

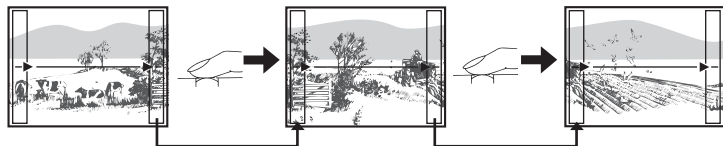


Note

- White balance settings cannot be made in conjunction with [SEPIA] or [BLACK & WHITE] settings.

Panorama shooting

You can take advantage of panorama shooting with an Olympus xD-Picture Card. Panorama shooting lets you connect pictures with overlapping edges into a single panoramic picture, using the OLYMPUS Master software.



The part of the previous picture where it will be joined to the next picture does not remain in the frame on the edge of the screen. You have to remember what the part in the frame looked like and take the next picture so it overlaps. Compose your shots so that the right edge of the previous picture overlaps with the left edge of the next picture if you are connecting pictures from left to right (or vice versa if you are connecting pictures from right to left).

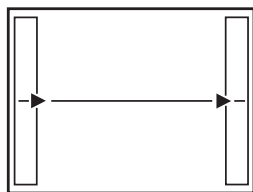


Top menu ► [MODE MENU] ► [CAMERA] ► [PANORAMA]

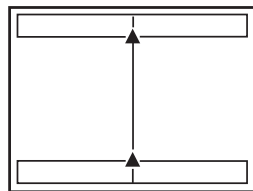
"How to use the menus" (P. 16)

1 Use the arrow pad to choose at which edge you want to connect the pictures.

- : The next picture is connected at the right edge.
- : The next picture is connected at the left edge.
- : The next picture is connected at the top.
- : The next picture is connected at the bottom.




Connects pictures from left to right



Connects pictures from bottom to top

2 Make sure that the edges of the pictures overlap, then take the pictures.

- The focus, exposure, and white balance are set by the first picture. Do not select an extremely bright subject (such as the sun) for the first picture.
- You cannot adjust the zoom after the first picture.
- Panorama shooting is possible for up to 10 pictures.
- When you have taken 10 pictures, a warning mark  is displayed.



3 Press to exit panorama shooting.

Note

- Panorama mode can only be used when there is a card in the camera. Moreover, panorama mode is only available with Olympus cards.
- During panorama shooting, the flash and sequential shooting modes are not available.
- The camera itself cannot connect panorama pictures. The OLYMPUS Master software is necessary to connect the pictures.

Taking two-in-one pictures

This function allows you to combine two pictures taken in succession and store them as a single picture. This way you can enjoy having two subjects in one.



Picture when played back

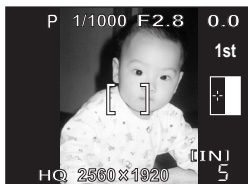


Top menu ► [MODE MENU] ► [CAMERA] ► [2 IN 1]

👉 "How to use the menus" (P. 16)

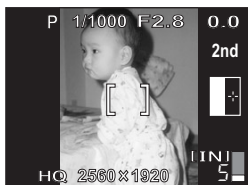
1 Take the first picture while observing your subject on the monitor.

- The subject will be positioned on the left in the combined picture.



2 Take the second picture.

- The subject will be positioned on the right in the combined picture.
- The [BUSY] bar is displayed during editing. After the image is saved, the camera returns to the mode menu.



Picture when shooting

! Note

- When using two-in-one pictures, panorama mode, the flash, and sequential shooting mode are not available.
- To cancel two-in-one picture mode after the first shot has been taken, press . The first shot will not be saved.
- Operating the mode dial will exit two-in-one picture mode.
- If the camera enters sleep mode after the first picture has been taken, two-in-one picture mode will be canceled.

4

Additional shooting functions

Recording sound with still pictures



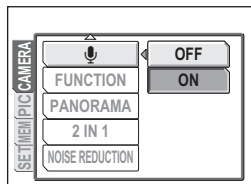
Sound can be recorded when taking still pictures. Recording starts about 0.5 seconds after the shutter is released and lasts about 4 seconds. When this function is enabled, sound is recorded automatically every time you take a picture.



Top menu ► [MODE MENU] ► [CAMERA] ► [🔊]

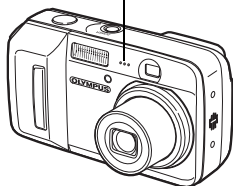
“How to use the menus” (P. 16)

1 Select [ON], and press .



2 When recording starts, aim the camera microphone at the source of the sound you want to record.

Microphone



? TIPS

- appears when still pictures and movies with sound are played back. During playback, sound is output from the speaker. The volume can be adjusted. “Setting the playback volume (VOLUME)” (P. 87)
- Sound can be added later to still pictures. Recorded sound can also be re-recorded. “Adding sound to still pictures” (P. 68)

! Note

- If the microphone is farther than 1 m (3.3 ft.) from the subject, sound may not be recorded properly.
- Pictures cannot be taken during sound recording.
- Sound recording is not possible in the following cases:
 - Sequential shooting, panorama, or two-in-one pictures.
- Sound recording may also pick up camera noises, such as button operations, shutter movement, etc.
- Sound recording may not be possible if there is insufficient space in the internal memory or card.

When shooting in dark places, shutter speeds become slower as there is less light focused on the CCD. During long exposures, signals are generated by parts of the CCD where no light is focused and are recorded on the image as noise. When [NOISE REDUCTION] is set to [ON], the camera automatically reduces the noise to produce clearer images.

ON



Noise is reduced. Shooting time is twice as long as usual. Noise reduction is enabled when the shutter speed is slow.

OFF



Noise is not reduced. Noise may be conspicuous with slow shutter speeds.

The purpose of these pictures is to illustrate the effects of noise reduction. They are not actual pictures.



Top menu ► [MODE MENU] ► [CAMERA] ► [NOISE REDUCTION]

"How to use the menus" (P. 16)

1 Select [ON] or [OFF], and press .

Note

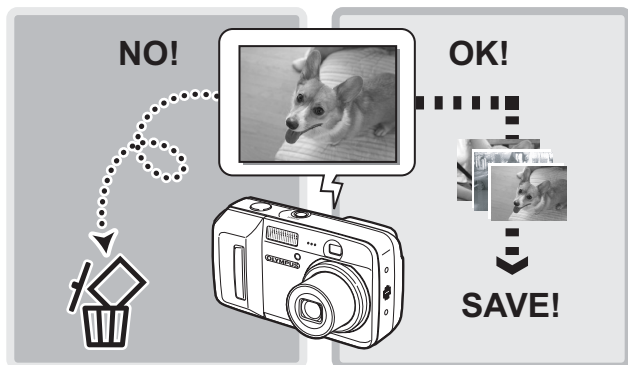
- [NOISE REDUCTION] is always set to [ON] when the camera is set to or **SCENE** (, , , or).
- When [NOISE REDUCTION] is set to [ON], the camera implements noise-reducing processes after each shot to produce clearer images. However, shooting time is approximately twice as long as usual. During this time, the next shot cannot be taken. Also, the picture is larger than normal. Use the monitor to view what you are taking.
- When [NOISE REDUCTION] is set to [ON], sequential shooting and two-in-one pictures are not possible.
- This function may not work effectively with some shooting conditions or subjects.

5

Playback

With film-type cameras, you cannot see the pictures you have taken until the film has been developed. And aren't you sometimes disappointed with the results when you do eventually see them? Pictures of blurred scenery or someone with their eyes shut. Or maybe you took several pictures of the same scene because you weren't sure whether they would come out or not. That's no way to record important memories! With a digital camera, you can review your pictures immediately.

Just play the picture back as soon as you've taken it. If you don't like what you see, erase and take it again. So don't be afraid of pictures not coming out well – just keep on pressing that shutter button!



Playing back still pictures

When a card is in the camera, a picture from the card is displayed. To play back pictures from the internal memory, remove the card.

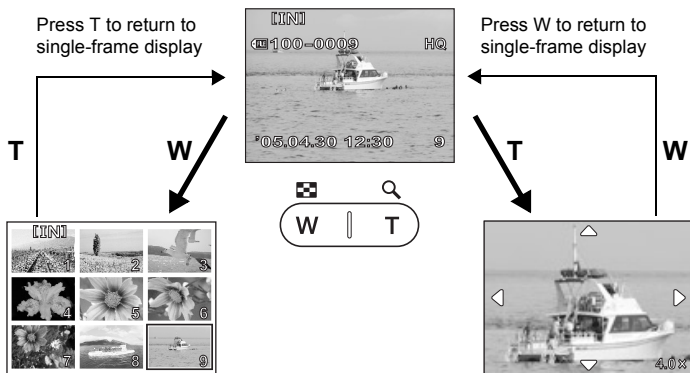


1 Press .


- The green lamp on the camera lights.
- The last picture taken is displayed on the monitor (single-frame playback).
- Use the arrow pad to navigate between pictures.

2 Press T or W on the zoom button.

- This allows you to enlarge the picture (close-up playback) or display an index of pictures (index display).



Index display

- During index display, use the arrow pad to select the desired picture.
- You can select the number of pictures to be displayed.
 "Selecting the number of pictures" (P. 62)

Close-up playback

- Press T to enlarge the picture up to a maximum of 5x.
- By using the arrow pad during close-up playback, you can scroll to different portions of the picture.
- Pictures cannot be stored in an enlarged state.
- Close-up playback is not available for movies.

Selecting the number of pictures



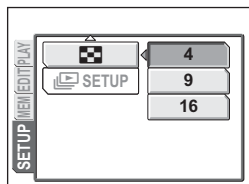
This function lets you select the number of pictures in an index display from 4, 9, and 16.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶

"How to use the menus" (P. 16)

1 Select [4], [9], or [16], and press



5

Playback

Picture rotation



Pictures taken with the camera held vertically are displayed horizontally. This function lets you rotate such pictures 90° clockwise or counterclockwise so that they are displayed correctly.



1 Press the button.

- Each press rotates the image in the following sequence:
90° counterclockwise, 90° clockwise, and back to the original.



Note

- The following pictures cannot be rotated.
Movies, protected pictures, pictures that have been edited on a computer, and pictures taken with another camera.
- New picture orientations are saved even if the power is turned off.

Slideshow

This function displays still pictures stored in the internal memory or card one after another. Only the first frame of each movie is displayed.
Select a still picture and display the top menu.

**Top menu** ▶

"How to use the menus" (P. 16)

- The slideshow starts.
- Press to stop the slideshow. The slideshow will not stop until you cancel it by pressing .

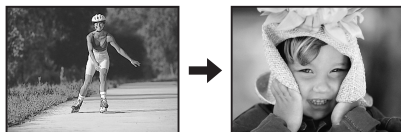
Note

- You are recommended to use the optional AC adapter when running a slideshow for a long period of time. When using batteries, the camera will enter sleep mode after about 30 minutes and stop the slideshow automatically.

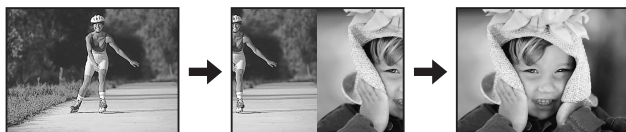
● To set the slideshow format

You can choose how the pictures go from one to the next during the slideshow.

NORMAL Displays the pictures stored in the internal memory or card one at a time.



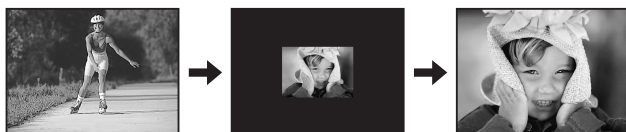
SLIDE Displays the pictures by sliding the next picture over the previous picture from right to left.



FADER Displays the pictures by gradually fading out the previous picture and fading in the next picture.



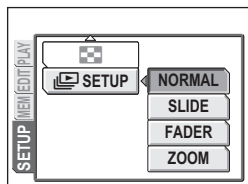
ZOOM Displays the pictures by gradually enlarging the next picture from the center of the screen.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [SETUP]

☞ "How to use the menus" (P. 16)

1 Select [NORMAL], [SLIDE], [FADER] or [ZOOM], and press .



Playing back movies



This function lets you play back movies. You can fast forward the movie or play it back one frame at a time.

Select a picture with and display the top menu.



Top menu ► [MOVIE PLAY]

"How to use the menus" (P. 16)

- The movie is played back. When playback ends, the camera automatically returns to the beginning of the movie and displays the [MOVIE PLAY] menu.
- To play the movie again, select [RESTART]. To return to playback mode, select [EXIT].

● Operations during movie playback

is displayed on movies that have sound recorded. Pressing lets you adjust the sound volume during playback.

: Increases the volume.

: Reduces the volume.

: Each time you press the button, the playback speed changes in the following order: 2x; 20x; and back to 1x.

: Plays the movie in reverse. Each time you press the button, the playback speed changes in the following order: 2x; 20x; and back to 1x.

: Pauses the movie and lets you play it back frame by frame.

● Frame by frame playback

: Jumps to the frame 10 frames back. If the movie is less than 10 frames long, displays the first frame.

: Jumps to the frame 10 frames ahead. If the movie is less than 10 frames long, displays the last frame.

: Displays the next frame. The movie can be played continuously by holding the button down.

: Displays the previous frame. The movie can be played continuously in reverse by holding the button down.

: Displays the [MOVIE PLAY] menu.



Note

- The orange lamp beside the viewfinder blinks while the camera is reading the movie from the internal memory or card. This may take some time. Do not open the card cover while the orange lamp is blinking. Doing so may damage the image data, or render the internal memory or card unusable.



Playing time/
total recording time

5

Playback



Editing still pictures (ADD FRAME/ BLACK & WHITE/SEPIA/🖼️)

This function lets you edit still pictures and save them as new pictures. The following editing operations are possible.

ADD FRAME This function lets you frame pictures with a frame of your choice and saves them as new pictures.

BLACK & WHITE This function lets you save black & white versions of your pictures.

SEPIA This function lets you save sepia versions of your pictures.
Changes the image size to 640 × 480 or 320 × 240 and saves the picture as a new file.

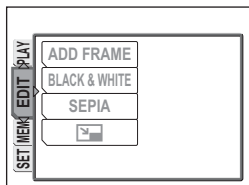
Select the picture that you want to edit and display the top menu.



Top menu ▶ [MODE MENU] ▶ [EDIT] 🖱️ “How to use the menus” (P. 16)

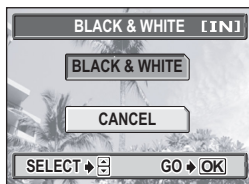
5
Playback

- 1 Select [ADD FRAME], [BLACK & WHITE], [SEPIA], or [🖼️], and press



- 2 • When [BLACK & WHITE] or [SEPIA] is selected

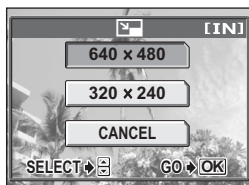
Select [BLACK & WHITE] or [SEPIA], and press .




When [BLACK & WHITE] is selected


- When [🖼️] is selected

Select an image size, and press .




• When **[ADD FRAME]** is selected



- ① Select a frame, and press .
The frame is added to the picture, and the result is displayed.
- ② Adjust the picture size and position.

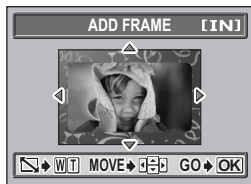


Adjusts picture position.

Zoom button



Adjusts picture size.
- ③ Press .
- ④ Select **[NEW FILE]**, and press .



- The **[BUSY]** bar is displayed, and after the picture is saved, the camera returns to the playback mode.



Note

- **[BLACK & WHITE]**, **[SEPIA]**, **[🖼️]**, and **[ADD FRAME]** are not available in the following cases:
Movies, pictures that have been edited on a computer, pictures taken with another camera, or when there is insufficient space in the internal memory or card.
- When a frame is added, the picture is saved at an image size of 1,584 × 1,056. Adding a frame to a picture taken in SQ2 causes the picture to appear grainy.

Adding sound to still pictures



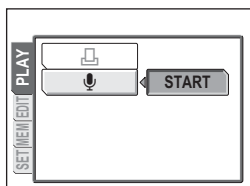
Sound can be added to a still picture that you have already taken. (This is known as “after-recording”.) You can also re-record over the sound that has already been recorded. Total recording time per picture is approximately 4 seconds. Select the still picture to which you want to add sound, and display the top menu.



Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [🎤]

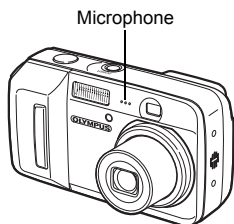
👉 “How to use the menus” (P. 16)

1 Press 🎤 to display [START].



2 Aim the camera microphone toward the sound you want to record, and press [OK/MENU] to start recording.

- The [BUSY] bar is displayed during recording.



! Note

- If the microphone is farther than 1 m (3.3 ft.) from the subject, sound may not be recorded properly.
- If you re-record the sound, the original sound is erased.
- You cannot record sound when there is insufficient space in the internal memory or card.
- The microphone may pick up the sound of buttons operated.
- Once sound is added to a picture, it is not possible to erase only the sound. In this case, make a re-recording with silence.


Editing movies

This function lets you create indexes and edit movies.

- INDEX** 9 frames extracted from a movie are displayed as an index and stored as a still picture.
- EDIT** This function lets you extract parts of the movie that you want.

☞ “Creating an index” (P. 69)

☞ “Editing a movie” (P. 70)

Select a picture with  and display the top menu.

Creating an index





Top menu ► [MODE MENU] ► [EDIT] ► [INDEX]


☞ “How to use the menus” (P. 16)


- When there is insufficient space in the internal memory or card, a warning screen is displayed before returning to the [EDIT] screen.

1 Select the first frame of the index, and press .

 : Jumps to the first frame of the movie.

 : Jumps to the last frame of the movie.

 : Displays the next frame. The movie can be played continuously by holding the button down.

 : Displays the previous frame. The movie can be played continuously in reverse by holding the button down.





2 As in Step 1, select the last frame of the index, and press .

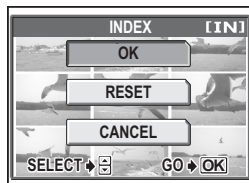


5

Playback

3 Select [OK], and press .

- The [BUSY] bar is displayed and the camera returns to the playback mode. The index is stored as a new picture.
- To select different frames, select [RESET], and press . Repeat the procedure from Step 1.
- To quit the editing function, select [CANCEL] and press .



? TIPS

- The index is stored as a 1,024 × 768 still picture which is in a different record mode from the original movie.


! Note

- The interval between the frames that are automatically extracted varies depending on the length of the movie.
- An index consists of 9 frames.
- You cannot create an index if there is insufficient space in the internal memory or card.

Editing a movie




Top menu ► [MODE MENU] ► [EDIT] ► [EDIT]


 "How to use the menus" (P. 16)

1 Select the first frame of the part you want to keep, and press .

 : Jumps to the first frame of the movie.

 : Jumps to the last frame of the movie.

 : Displays the next frame. The movie can be played continuously by holding the button down.



 : Displays the previous frame. The movie can be played continuously in reverse by holding the button down.



2 As in Step 1, select the last frame of the part you want to keep, and press .



3 Select [OK], and press .

- To select different frames, select [RESET], and press . Repeat the procedure from Step 1.
- To quit the editing function, select [CANCEL], and press .



4 Select [NEW FILE] or [OVERWRITE], and press .

NEW FILE Stores the edited movie as a new movie.

OVERWRITE Stores the edited movie with the same name as the original. The original movie is not stored.



- The [BUSY] bar is displayed. After the edited movie is stored as a new movie or the original movie is overwritten, the camera returns to the playback mode.

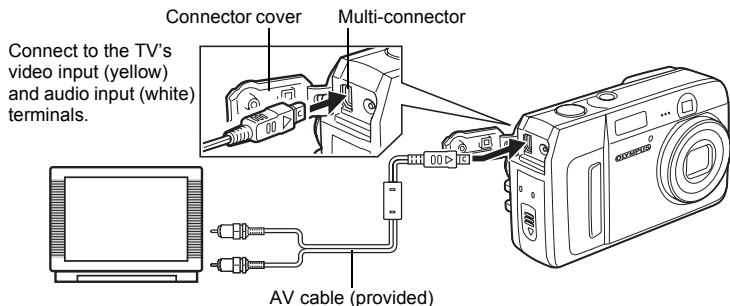
Note


- You cannot select [NEW FILE] if there is insufficient space in the internal memory or card.
- The editing process of long movies is more time-consuming.

Playing back pictures on a TV


Use the AV cable provided with the camera to play back recorded images on your TV. You can play back both still pictures and movies on your TV.

- 1 Make sure that the TV and camera are turned off. Connect the multi-connector on the camera to the video input terminal on the TV using the AV cable provided with the camera.**




- 2 Turn the TV on, and set it to the video input mode.**
 - For details of switching to video input, refer to your TV's instruction manual.
- 3 Press  to turn the camera on.**
 - The last picture taken is displayed on the TV. Use the arrow pad to select the picture you want to display.

TIPS

- You are recommended to use the optional AC adapter when playing back pictures on a TV.
- The close-up playback, index display and  functions can also be used on a TV screen.

Note

- Make sure that the camera's video output signal is the same as the TV's video signal.  "Selecting the video output" (P. 73)
- The camera's monitor turns off automatically when the AV cable is connected to the camera.
- Be sure to use the AV cable provided to connect the camera to the TV.
- The picture may appear off-center on the TV screen.

Selecting the video output

You can select [NTSC] or [PAL] according to your TV's video signal type. Use this setting when playing back pictures on a TV in a foreign country. Select the [VIDEO OUT] signal before connecting the AV cable. If you select the wrong video signal type, you will not be able to play back the recorded pictures properly on the TV.

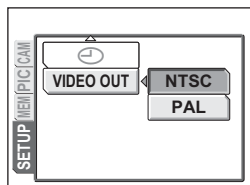


Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [VIDEO OUT]

"How to use the menus" (P. 16)

- In : Top menu ▶ [SETUP] ▶ [VIDEO OUT]

1 Select [NTSC] or [PAL], and press .



? TIPS

- TV video signal types & main regions**

Check the video signal type before connecting the camera to the TV.

NTSC North America, Taiwan, Korea

PAL European countries, China

- The factory default setting varies depending on the region where you purchased the camera.

Displaying detailed shooting information

INFO

This function lets you display detailed shooting information on the monitor for approx. 3 seconds in the playback mode. For details of the information displayed, see "Monitor indications" (P. 150).



Top menu ▶ **[INFO]**

☞ "How to use the menus" (P. 16)

- Each time you select **[INFO]** from the top menu, the information display is alternately turned on and off.



When **[INFO]** is on



When **[INFO]** is off

! Note

- If the picture has been taken with a different camera, only the date and time, frame number, and battery check indication are displayed when **[INFO]** is set on.

You are recommended to protect important pictures to avoid accidentally erasing them. Protected pictures cannot be erased by the single-frame/all-frame erase function, but they are all erased by formatting.

Select the picture that you want to protect, and display the top menu.



Top menu ▶ [On]

"How to use the menus" (P. 16)

- Each time you select [On] from the top menu, the protection is alternately turned on and off.



Displayed when a picture is protected.

Copying pictures to a card (BACKUP)

You can copy (backup) all the image data stored in the internal memory to the card. The image data in the internal memory is not erased by copying it to the card.

The optional card is required to use the backup function. Operate the camera with the card inserted.



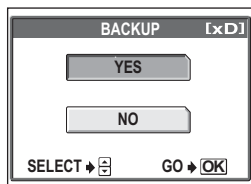
Top menu ▶ [MODE MENU] ▶ [CARD] ▶ [BACKUP]

"How to use the menus" (P. 16)

• In : Top menu ▶ [SETUP] ▶ [BACKUP]

1 Select [YES], and press .

- All image data stored in the internal memory is copied to the card.



Note

- When the card has insufficient memory, [CARD FULL] is displayed, and copying is canceled.
- When the mark is blinking, pictures cannot be backed up because of insufficient battery power.
- If the battery power is exhausted while copying, the image data may be lost or damaged. You are recommended to use the AC adapter.
- Never open the card cover, remove the batteries, or connect or disconnect the AC adapter during copying as this may cause malfunction of the internal memory or the card.

Erasing pictures



This function erases recorded pictures. Pictures can be erased either one at a time or all the pictures in the internal memory or card at once.

- When you want to erase pictures in the internal memory, do not insert the card.
- Insert the card when you want to erase pictures on the card.

! Note

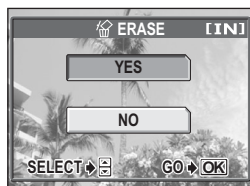
- You cannot erase protected pictures. Cancel protection before erasing such pictures.
- Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep. “Protecting pictures” (P. 75)

Single-frame erase



1 Select the picture you want to erase, and press the button.

- The [ERASE] screen is displayed.
 “How to use the direct buttons” (P. 13),
“Playing back still pictures” (P. 61)



2 Select [YES], and press .

- The picture is erased, and the menu is exited.

5

Playback

All-frame erase



This function erases all the pictures in the internal memory or card.

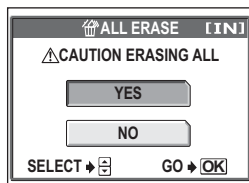


Top menu ▶ [MODE MENU] ▶ [MEMORY(CARD)] ▶ [ALL ERASE]

"How to use the menus" (P. 16)

1 Select [YES], and press .

- All the pictures are erased.



This function lets you format the internal memory or card. Formatting prepares cards to receive data.

- To format the internal memory, do not insert the card.
- To format the card, have it inserted.
- Before using non-OLYMPUS cards or cards which have been formatted on a computer, you must format them with this camera.

All existing data, including protected pictures, are erased when the card is formatted. Make sure that you save or transfer important data to a computer before formatting the card.

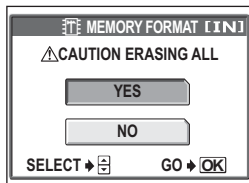


Top menu ► [MODE MENU] ► [MEMORY(CARD)] ►
[MEMORY FORMAT (FORMAT)] "How to use the menus" (P. 16)

- In (AUTO): Top menu ► [SETUP] ► [MEMORY FORMAT (FORMAT)]

1 Select [YES], and press .

- The [BUSY] bar is displayed while the card is formatted.



Note

- Do not do any of the following during formatting as such actions may damage the card.

Open the card cover or battery compartment cover, or connect or disconnect the AC adapter (regardless of whether there are batteries in the camera or not).

6

Settings

One of the key features of a digital camera is that you can view the pictures you have taken immediately.

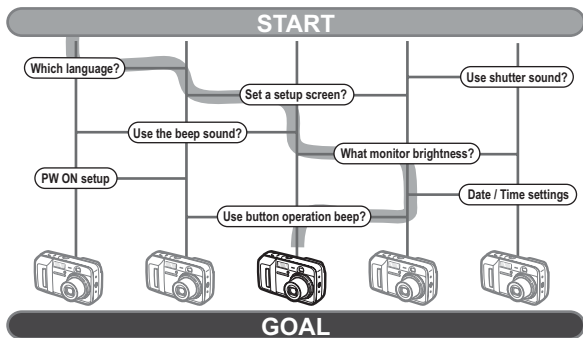
But that isn't all.

For example, you can set the startup screen so that one of the pictures you have taken is displayed when you turn the camera on.

That's originality for you!

And if you lend the camera to friends from abroad, you can select the appropriate language for on-screen display.

Making use of these functions will make such a difference to how much fun you get out of your camera. Why not try them out?



Now you have your very own customized camera!

Saving camera settings (ALL RESET)

This function lets you choose whether or not to save the current camera settings after the power is turned off. The settings affected by [ALL RESET] are listed below.

The [ALL RESET] setting ([ON]/[OFF]) applies to all modes. It applies whether the camera is in shooting mode or playback mode.

ON All settings are returned to the factory default settings after the power is turned off (initial settings).

Example: If [ALL RESET] is set to [ON] and [◀▶] is changed to [SQ1], [◀▶] returns to the factory default setting ([HQ]) when the camera is turned on again.

OFF The settings made before the power is turned off are saved.



Top menu ► [MODE MENU] ► [SETUP] ► [ALL RESET]

"How to use the menus" (P. 16)

• In : Top menu ► [SETUP] ► [ALL RESET]

1 Select [OFF] or [ON], and press .

Note

- The settings in the [SETUP] tab in the [MODE MENU] ([ALL RESET], , etc.) are saved even when [ALL RESET] is set to [ON].

● Functions that return to default settings when [ALL RESET] is set [ON].

Function	Factory default setting	Ref. page	Function	Factory default setting	Ref. page
Exposure compensation	0.0	P. 44	DIGITAL ZOOM	OFF	P. 40
FLASH MODE	AUTO	P. 42	(still pictures)	OFF	P. 58
Monitor*	ON (Lights)	P. 24	(movies)	ON	P. 51
ESP/	ESP	P. 46	FUNCTION	OFF	P. 54
	OFF	P. 41	NOISE REDUCTION	OFF	P. 59
	OFF	P. 52		HQ	P. 27
ISO	AUTO(M: 50)	P. 47	WB	AUTO	P. 48
SCENE SELECT		P. 37	INFO	OFF	P. 74

* This sets whether the monitor turns on or not when the camera is turned on in shooting mode.

Changing the display language



You can select a language for on-screen display. Available languages vary depending on the area where you purchased this camera.

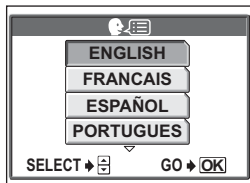


Top menu ► [MODE MENU] ► [SETUP] ► [🗨️]

👉 “How to use the menus” (P. 16)

- In : Top menu ► [SETUP] ► [🗨️]

1 Select a language, and press .




? TIPS

To increase the number of languages


- You can add other languages to your camera with the provided OLYMPUS Master software. For details, refer to the “Help” guide in the OLYMPUS Master software.


Selecting a power on screen (PW ON SETUP)

You can set a screen or sound that is played back when the camera is turned on. You can also register your favorite picture and display it on the screen.  "Registering a power on screen (SCREEN SETUP)" (P. 84)



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [PW ON SETUP]

 "How to use the menus" (P. 16)

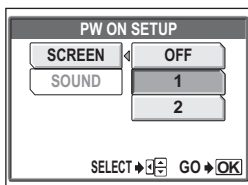
• In  (AUTO) : Top menu ▶ [SETUP] ▶ [PW ON SETUP]

1 From [SCREEN], select [OFF], [1] or [2], and press .

OFF No picture is displayed.

1 A picture is displayed.


2 The registered picture is displayed.
If there is no registered picture,
nothing is displayed.

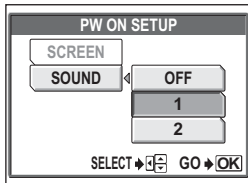


2 From [SOUND], select [OFF], [1] or [2], and press .

OFF No startup sound is output.


1 / 2 Startup sound is output.

- The volume level is the same as that set for the playback volume.
 "Setting the playback volume (VOLUME)" (P. 87)




3 Press .


Registering a power on screen (SCREEN SETUP)

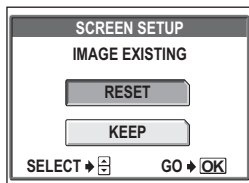
You can register your favorite picture for display when the power is turned on. Register a picture saved in the internal memory or card. To display the registered picture, make the settings in [PW ON SETUP].  "Selecting a power on screen (PW ON SETUP)" (P. 83)



Top menu ► [MODE MENU] ► [SETUP] ► [SCREEN SETUP]

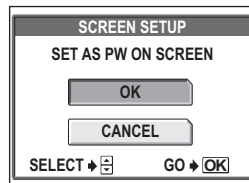
 "How to use the menus" (P. 16)

- If a picture is already registered, the [IMAGE EXISTING] screen is displayed asking if you want to cancel the currently registered picture and register a new one. To register a new picture, select [RESET], and press . If you select [KEEP], the screen returns to the menu.



- 1 Select the picture you want to register, and press .
- 2 Select [OK], and press .

- The picture is registered, and the screen returns to the menu.



Note

- You cannot register a picture or movie frame that cannot be played back on this camera.

Viewing pictures immediately (REC VIEW)

You can choose whether or not to display the picture you have just taken on the monitor.

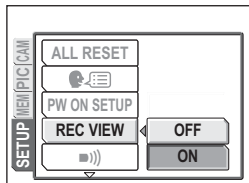
- ON** This displays the picture while it is being recorded. This is useful for making a brief check of the picture you have just taken. During rec view, the camera is ready to shoot.
- OFF** The picture being recorded to the card is not displayed. This is useful when you want to prepare for your next shot while the previous picture is being recorded.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [REC VIEW]

"How to use the menus" (P. 16)

- 1** Select [OFF] or [ON], and press .



Setting warning sounds



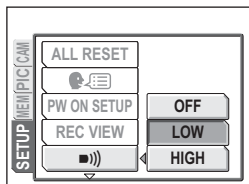
You can adjust the volume of the beep sound used for warnings. Choose from [LOW] or [HIGH]. You can turn the sound off completely by setting [OFF].



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶

"How to use the menus" (P. 16)

- 1** Select [OFF], [LOW], or [HIGH], and press .



Setting operation sounds (BEEP)

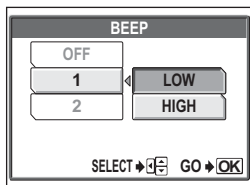
You can choose from 2 different sounds for button operations. You can also set the volume of the sound to [LOW] or [HIGH]. You can turn the sound off completely by setting [OFF].



Top menu ► [MODE MENU] ► [SETUP] ► [BEEP]

"How to use the menus" (P. 16)

- 1 Select [OFF], [1] or [2]. If you selected [1] or [2], select [LOW] or [HIGH], and press .



Setting the shutter sound (SHUTTER SOUND)

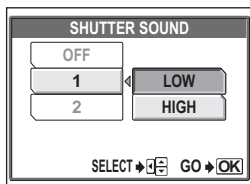
You can choose from 2 different sounds for the shutter button. You can also set the volume of the sound to [LOW] or [HIGH]. You can turn the sound off completely by setting [OFF].



Top menu ► [MODE MENU] ► [SETUP] ► [SHUTTER SOUND]

"How to use the menus" (P. 16)

- 1 Select [OFF], [1] or [2]. If you selected [1] or [2], select [LOW] or [HIGH], and press .



Setting the playback volume (VOLUME)

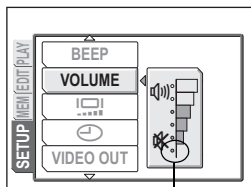
You can adjust the sound volume of still pictures and movies as well as the volume of the sound generated when the power is turned on. There are 5 levels to choose from.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [VOLUME]

"How to use the menus" (P. 16)

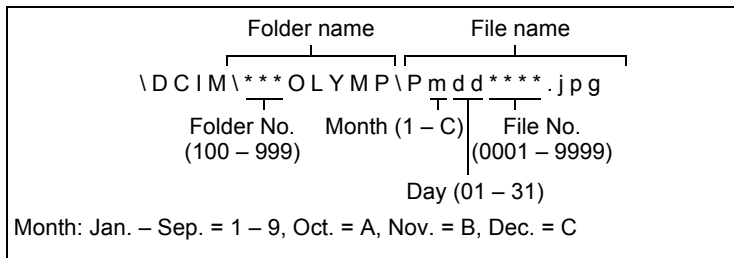
- 1** Press to set the volume,
and press .



Selecting this level will
mute the sound completely.

Resetting the file name (FILE NAME)

The camera automatically creates file names and folder names for images to be stored in. Files can be numbered from 0001 to 9999 and folders can be numbered from 100 to 999. Examples are shown below.



There are two settings from which you can choose: [RESET] or [AUTO]. Choose the one that is best for you when transferring images to a computer.

RESET The file number and folder number are reset every time a new card is inserted in the camera. The folder number returns to No. 100 and the file number returns to No. 0001. This method is useful when grouping files on separate cards.

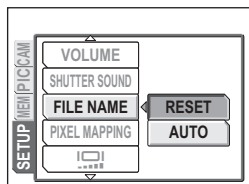
AUTO Even if a new card is inserted, the folder number and file number are retained from the previous card, so the same file number is not used on different cards. This helps you to manage multiple cards. This method is useful when you want to manage all your files with sequential numbers.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [FILE NAME]

👉 “How to use the menus” (P. 16)

1 Select [RESET] or [AUTO], and press .



! Note

- When the File No. reaches 9999, the File No. returns to 0001 and the Folder No. changes.
- When both the Folder and File No. reach their respective maximum number (999/9999), the number of storable pictures becomes 0 even if the card is not full. No more pictures can be taken. Replace the card with a new one.

Checking the image processing function (PIXEL MAPPING)

The pixel mapping feature allows the camera to check and adjust the CCD and image processing functions. It is not necessary to operate this function frequently. Approximately once a year is recommended. Wait at least one minute after taking or viewing pictures to allow for proper performance of the pixel mapping function.

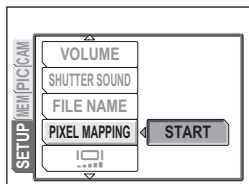


Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [PIXEL MAPPING]

"How to use the menus" (P. 16)

1 When [START] is displayed, press .

- The [BUSY] bar is displayed during pixel mapping. When pixel mapping is finished, the screen returns to the mode menu.



Note

- If you turn the camera off during pixel mapping, start again from Step 1.

Adjusting the brightness of the monitor

This function lets you adjust the brightness of the monitor to make it easier to see the image.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶

"How to use the menus" (P. 16)

- In (AUTO): Top menu ▶ [SETUP] ▶

1 Adjust the brightness while looking in the monitor, and when you have set the desired level, press .

- Pressing brightens the monitor, and pressing darkens it.



Setting the date and time



This function lets you set the date and time. The date and time is saved with each picture, and is used in the file name.



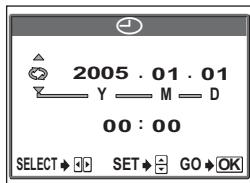
Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [🕒]

👉 "How to use the menus" (P. 16)

- In : Top menu ▶ [SETUP] ▶ [🕒]

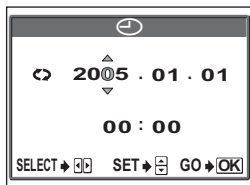
1 Press to select one of the following date formats: [Y-M-D] (Year/Month/Day), [M-D-Y] (Month/Day/Year), [D-M-Y] (Day/Month/Year), and press .

- Move to the year setting.
- The following steps show the procedure used when the date and time settings are set to [Y-M-D].



2 Press to set the year, and press to move to the month setting.

- To move back to the previous setting, press .
- The first two digits of the year are fixed.



3 Repeat this procedure until the date and time are completely set.

- The time is displayed in the 24-hour format. Consequently, 2 p.m. is displayed as 14:00.

4 Press .

- For a more accurate setting, press when the time signal hits 00 seconds.



Note

- The date and time settings return to the factory default settings if the camera is left without batteries for approximately 3 days. The settings will be canceled more quickly if batteries were only loaded in the camera for a short time before being removed. Before taking important pictures, check that the date and time settings are correct.
- If the date and time setting is canceled, a warning is displayed on the monitor the next time the camera is turned on. 👉 "Error codes" (P. 122)

Printing pictures

7

You can print out the pictures you have taken either at a photo store or at home on your own printer.

If you go to a photo store, it is a good idea to store the print reservation data on the card first. This lets you select the pictures you want to print and decide how many prints you want.

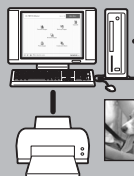
If you print the pictures at home, you can either connect the camera directly to the printer or you can connect the camera to a computer and download the pictures to the computer first.

Printing at the store

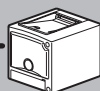
Select the pictures you want to print at the store



Use the camera to select the pictures you want to print



DirectPrint




Printing at home

Direct printing (PictBridge)

Using the direct printing function

By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly. With the camera connected to the printer, select the pictures you want to print and the number of prints on the camera's monitor. It is also possible to print out pictures using the print reservation data.

 "Print settings (DPOF)" (P. 99)

To find out if your printer is compatible with PictBridge, refer to the printer's instruction manual.

What is PictBridge?... It is the standard for connecting digital cameras and printers of different manufacturers and printing out pictures directly.

STANDARD... All printers that support PictBridge have standard print settings. If [STANDARD] is selected on the settings screens (P. 93 to P. 97), images are printed according to these settings. Refer to the printer's instruction manual for its standard settings or contact the printer manufacturer.

TIPS

- For details of printing paper types, ink cassettes, etc., refer to the printer's instruction manual.

Note

- You are recommended to use the optional AC adapter when printing pictures. If you use batteries, make sure they have enough power. If the camera stops operating while communicating with the printer, the printer may malfunction or image data may be lost.
- Movies cannot be printed.
- The camera does not enter sleep mode when connected to the printer by the USB cable.

Print modes and settings

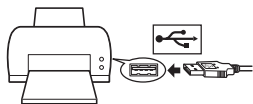
Available printing modes, paper sizes etc., vary depending on the printer you use. Refer to the instruction manual for your printer.

Printing pictures

Use the USB cable provided to connect the camera to a PictBridge-compatible printer. The basic printing method for printing one picture is shown below. One print of your selected picture will be printed using the standard settings of your printer. The date and file name are not printed.

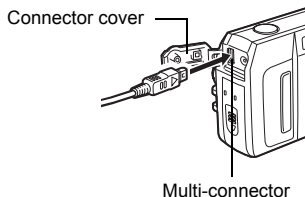
1 Turn the printer on and plug the printer end of the USB cable into the printer's USB port.

- For details of how to turn the printer on and the position of the USB port, refer to the printer's instruction manual.



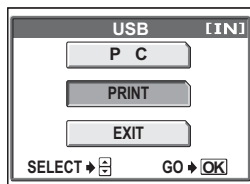
2 Plug the USB cable into the camera's multi-connector.

- The camera turns on automatically.
- The monitor turns on and the selection screen for the USB connection is displayed.



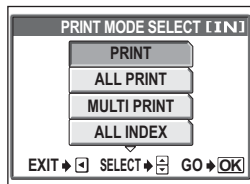
3 Select [PRINT], and press .

- [ONE MOMENT] is displayed and the camera and printer are connected. The [PRINT MODE SELECT] screen is displayed on the monitor. Make the print settings on the camera's monitor.



4 Select [PRINT], and press .

- The [PRINTPAPER] screen is displayed.



5 Press without changing the [SIZE] or [BORDERLESS] settings.

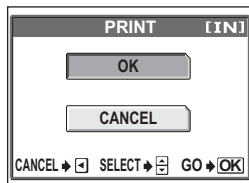
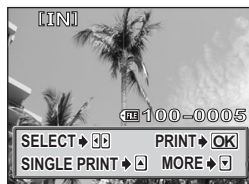
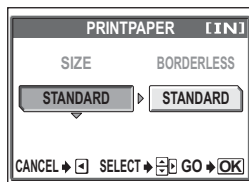
- When the [PRINTPAPER] screen is not displayed, go to Step 6.

6 Press to select the picture you want to print, and press .



- The [PRINT] screen is displayed.

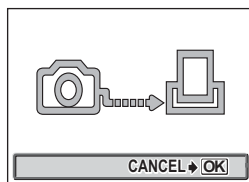
7 Select [OK], and press .

- Printing starts.
- When printing is finished, the [PRINT MODE SELECT] screen is displayed.

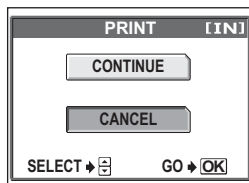


● To cancel printing

Pressing  during print data transfer displays the screen for selecting whether to continue or cancel printing. To cancel printing, select [CANCEL], and press .

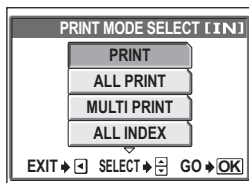


Screen during data transfer



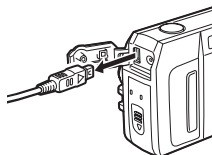
8 In the [PRINT MODE SELECT] screen, press .

- A message is displayed.

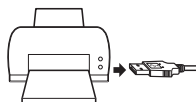


9 Remove the USB cable from the camera.

- The camera turns off.



10 Remove the USB cable from the printer.




Note

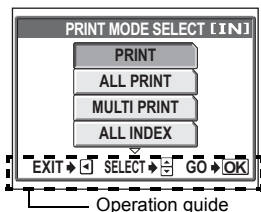
- When the [USB] mode is set to [PC], the [PRINT MODE SELECT] screen is not displayed in Step 4. Disconnect the USB cable, and repeat the procedure from Step 1.

Other print modes and print settings

There are many other print modes available besides the basic mode. Even within the same mode, you have the choice of setting a border or the paper size. Follow the operation guide for the screens shown below.

Selecting a print mode

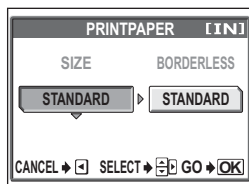
PRINT	Prints the selected picture.
ALL PRINT	Prints all the pictures stored in the internal memory or card.
MULTI PRINT	Prints one picture in multiple layout format.
ALL INDEX	Prints an index of all the pictures stored in the internal memory or card.
PRINT ORDER	Prints the pictures according to the print reservation data. If no print reservations have been made, this option is not available.  "Print settings (DPOF)" (P. 99)



Setting the paper

Select the paper size and border on the [PRINTPAPER] screen.


SIZE	Choose from the available paper sizes on your printer.
BORDERLESS	Select framed or unframed. In [MULTI PRINT] mode, you cannot select the frame.
OFF (<input type="checkbox"/>)	The picture is printed inside a blank frame.
ON (<input type="checkbox"/>)	The picture is printed filling the entire page.
PICS/SHEET	Available in [MULTI PRINT] mode only. The number of prints that can be printed vary depending on the printer.



Note

- If the [PRINTPAPER] screen is not displayed, [SIZE], [BORDERLESS] and [PICS/SHEET] are set to [STANDARD].

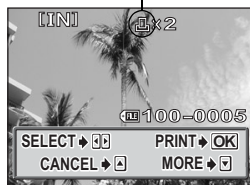
Selecting the picture you want to print

Press  to select the picture you want to print. You can also make your selection by pressing the zoom button, and using the index display.




- PRINT** Prints one copy of the picture.
- SINGLE PRINT** Makes a print reservation for the picture. The print reservation icon is displayed.
- MORE** For setting the number of prints or printing data.

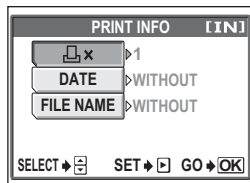


The print reservation icon is displayed.



Setting the number of prints and printing data






-  Sets the number of prints. You can select up to 10 prints.
- DATE** () If you select [WITH], pictures are printed with the date.
- FILE NAME** () If you select [WITH], pictures are printed with the file name.



If an error code is displayed

If an error code is displayed on the camera's monitor during direct print setting or printing, see the following table.

For more details, refer to the printer's instruction manual.

Monitor indication	Possible cause	Corrective action
 NO CONNECTION	The camera is not connected to the printer correctly.	Disconnect the camera and connect it again correctly.
 NO PAPER	There is no paper in the printer.	Load some paper in the printer.
 NO INK	The printer has run out of ink.	Replace the ink cartridge in the printer.
 JAMMED	The paper is jammed.	Remove the jammed paper.
SETTINGS CHANGED	The printer's paper cassette has been removed or the printer configuration has been changed.	Do not reconfigure the printer after the settings have been made.
 PRINT ERROR	There is a problem with the printer and/or camera.	Turn off the camera and printer. Check the printer and remedy any problems before turning the power on again.

? TIPS

- If an error code other than those shown above is displayed, see "Error codes" (P. 122).



How to make print reservations

Print reservation allows you to save printing data (the number of prints and the date/time information) with the pictures stored on the card.

Only pictures stored on the card can be reserved to print. Insert a card with recorded pictures into the camera before making print reservations.

With print reservation, you can print out pictures easily either at home using a personal DPOF-compatible printer or at a photo store that supports DPOF. DPOF is a standard format used to record automatic print information from digital cameras. You can print out pictures automatically, at home or at a photo store, by storing data, such as which pictures you want to print and the number of prints, on the card.

Pictures with print reservations can be printed using the following procedures.

Printing using a DPOF-compatible photo store.


You can print the pictures using the print reservation data.

Printing using a DPOF-compatible printer.

Printing is possible directly from a card containing print reservation data without using a computer. For more details, refer to the printer's instruction manual. A PC card adapter may also be necessary.


To use print services without using DPOF

Pictures stored in the internal memory cannot be printed at a photo store. The pictures need to be copied to a card before taking them.



 "Copying pictures to a card (BACKUP)" (P. 76)

? TIPS**Relation between printing and record mode when shooting**

The resolution of a computer/printer is generally based on the number of dots (pixels) per inch (dpi). Increasing the dpi when printing a picture produces a finer print. However, as the resolution of the picture is not changed, the size of the print will be smaller. You can enlarge the size of the print, but the picture will appear grainy.

If you want to print large, high-quality pictures, set the record mode as high as possible when taking the pictures.  "Record mode" (P. 27)

! Note

- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- If there is not enough space in the card memory, you may not be able to enter the reservation data. [CARD FULL] will be displayed.
- You can make DPOF print reservations for up to 999 images per card.
- Even if an image is displayed with the message [PICTURE ERROR], it may be possible to make print reservations. In this case, the print reservation icon () is not displayed when the image is displayed for full view.  is displayed when there are multiple images (index display), allowing you to confirm the print reservation.
- Not all functions may be available on all printers, or at all photo stores.
- Print reservation may take a little time when saving printing data to a card.

Single-frame reservation




How to apply [] to a selected picture is shown below. Follow the operation guide to make settings.

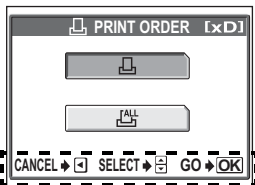


Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ []

☞ “How to use the menus” (P. 16)

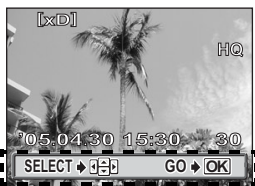
- You cannot make print reservations for pictures with ☞.
- If data is already stored on the card, the [] PRINT ORDER SETTING screen is displayed, giving you the choice of resetting the data or keeping it.

1 Select [], and press .



Operation guide

2 Select the picture you want to print, and press .



Operation guide

3 Select [SINGLE PRINT].

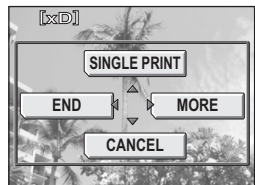
- Sets the number of prints to 1, and returns to Step 2.
- You can make the following settings on this screen.

MORE Sets the number of prints and printing data.

CANCEL Cancels the print reservation for the displayed picture.

☞ “Resetting print reservation data” (P. 103)

END Exits the print reservation function.




Single-frame reservation menu

4 The reservation is made. Press .

- The single-frame reservation menu is displayed.

5 Select [END].

- The [PRINT ORDER] screen is displayed. Press  until you return to the playback screen.


All-frame reservation



Reserves all the pictures stored on the card. You can set the number of prints or print the date and time the picture was taken.

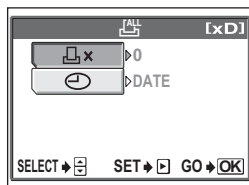


Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ []

 "How to use the menus" (P. 16)

1 Select [], and press .


2 Select [x] (number of prints) or [] (date/time), and press .




All-frame reservation screen

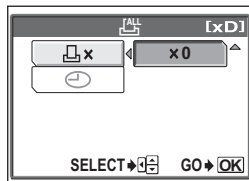
3 Perform each setting.

● To set the number of prints

Select the number of prints, and press .

 : Increases the number.

 : Decreases the number.



● To set the date/time printing data



Select [NO], [DATE] or [TIME], and press .

NO The pictures are printed without the date and time.

DATE All the selected pictures are printed with the shooting date.

TIME All the selected pictures are printed with the shooting time.

4 After setting the number of prints and date/time printing data, press to complete the print reservations.

- The  icon is displayed on the picture.
- The [PRINT ORDER] screen is displayed. Press  until you return to the playback screen.

Print reservation icon



Resetting print reservation data




This function allows you to reset the print reservation data for pictures stored on the card.

You can reset all the print reservation data or just for selected pictures.


● To reset the print reservation data for all the pictures

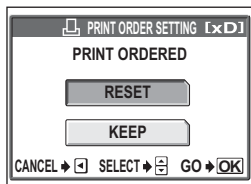


Top menu ► [MODE MENU] ► [PLAY] ► 

 "How to use the menus" (P. 16)

1 Select [RESET], and press .

- If there is no print reservation data stored on the card, the [PRINT ORDER SETTING] screen is not displayed.
- Press  to return to the playback screen.



● To reset the print reservation data for a selected picture



Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ []

☞ “How to use the menus” (P. 16)

1 Select [KEEP], and press .

- If there is no print reservation data stored on the card, the [] PRINT ORDER SETTING] screen is not displayed.

2 Select [], and press .


3 Select the picture with the reservation you want to cancel, and press .

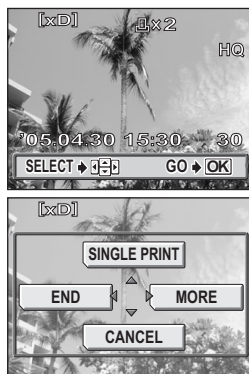
- The single-frame reservation screen is displayed.

4 Select [CANCEL].

- The print reservation data is canceled and the screen returns to Step 3.

5 If you are finished resetting print reservation data, press . Select [END].

- The [] PRINT ORDER] screen is displayed. Press  until you return to the playback screen.



Connecting the camera to a computer

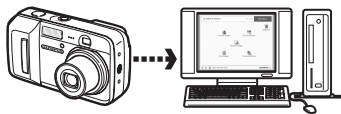
8

Viewing the pictures you have taken on your computer is just one of the many ways you can enjoy your pictures.

You can print out your favorite pictures, use the application software to download your pictures from your camera and edit them or arrange them by date or category, or attach them to e-mail and send them over the Internet.

There are all kinds of ways you can use your pictures with a computer. You can run a slideshow, post your pictures on your home page, create an album, or set your favorite picture as your desktop wallpaper.

Upload pictures



Share with friends



E-mail

Print pictures

Home printing



Online printing



Edit pictures



Panorama building



Album making



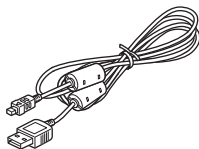
Wallpaper

Using the USB cable provided with your camera, you can connect the camera and computer and download (transfer) the images to your computer using the OLYMPUS Master software, also provided with the camera.

Prepare the following items before starting.



OLYMPUS Master CD-ROM



USB Cable



Computer equipped with a USB port

Install the OLYMPUS Master software

➔ P. 108



Connect the camera to the computer using the USB cable

➔ P. 112



Start up the OLYMPUS Master software

➔ P. 113



Download image files to the computer

➔ P. 115



Disconnect the camera from the computer

➔ P. 116

? TIPS

Viewing and editing downloaded images

→ If you want to process images using graphics applications, make sure you download the images to your computer first. Depending on the software, the image files may be damaged if the images are processed (rotated, etc.) while they are still in the internal memory or on the card.

If the data cannot be downloaded from the camera using the USB cable

→ Image files on xD-Picture Card may be downloaded using the optional PC card adapter. For details, visit the Olympus web site at the address shown on the back cover of this manual.

! Note

- It is recommended that you use the optional AC adapter when connecting the camera to a computer. If you use batteries, make sure they have enough power. The camera does not turn off automatically while it is connected to (communicating with) a computer. If the battery power runs out, the camera will stop whatever operation it is performing. This may result in a computer malfunction, or loss of image data (file) being transmitted.
- Do not turn the camera off while it is connected to the computer. Doing so could cause the computer to malfunction.
- Connecting the camera to a computer via a USB hub may cause unstable operation if there is any problem with compatibility between the computer and the hub. In this case, do not use a hub, but connect the camera directly to the computer.

Using OLYMPUS Master

For editing and managing image files, install the OLYMPUS Master software from the provided CD-ROM.

What is OLYMPUS Master?

OLYMPUS Master is application software for editing images taken with a digital camera on a computer. Installing it on your computer lets you do the following:

Download images from the camera or other media

View images and movies

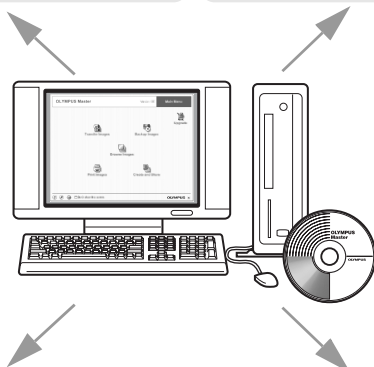
You can run a slideshow and play back sound.

Manage images

You can organize your images using the calendar display. Search the image you want by date or keyword.

Edit images

You can rotate images, trim them and change the size.



Edit images with the filter and correction functions

Print images

You can print images and make indexes, calendars and postcards.

Make panoramic images

You can make panoramic images using pictures taken in panorama mode.

For details of functions and operations other than the above, refer to the "Help" guide and OLYMPUS Master reference manual.

Installing OLYMPUS Master

Before installing the OLYMPUS Master software, please confirm that your computer is compatible with the following system requirements.

For newer operating systems, please refer to the Olympus web site as shown on the back cover of this manual.

● Operating environment

Windows

OS	Windows 98SE/Me/2000 Professional/XP
CPU	Pentium III 500 MHz or later
RAM	128 MB or more (at least 256 MB is recommended)
Hard disk capacity	300 MB or more
Connector	USB port
Monitor	1,024 × 768 pixels, 65,536 colors or more



Note

- Data transfer is only guaranteed on computers with a factory installed OS.
- To install the software in Windows 2000 Professional/XP, you must log on as a user with administrators' privileges.
- Internet Explorer and QuickTime 6 or later should be installed on your computer.
- Windows XP corresponds to Windows XP Professional/Home Edition.
- Windows 2000 corresponds to Windows 2000 Professional.
- If you are using Windows 98SE, the USB driver is installed automatically.

Macintosh

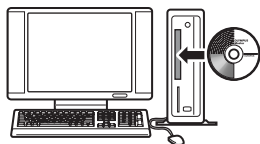
OS	Mac OS X 10.2 or later
CPU	Power PC G3 500 MHz or later
RAM	128 MB or more (at least 256 MB is recommended)
Hard disk capacity	300 MB or more
Connector	USB port
Monitor	1,024 × 768 pixels, 32,000 colors or more

Note

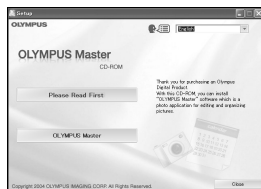
- Operation is only guaranteed on a Macintosh equipped with a built-in USB port.
- QuickTime 6 or later and Safari 1.0 or later must be installed.
- Be sure to remove the media (drag & drop onto the trash icon) before performing the following operations. Failure to do so could result in unstable computer operation and the need to reboot.
 - Disconnect the cable connecting the camera to the computer
 - Turn off the camera
 - Open the camera's card cover
 - Open the camera's battery compartment cover

Windows**1****Insert the CD-ROM into the CD-ROM drive.**

- The OLYMPUS Master setup screen is displayed.
- If the screen is not displayed, double-click the "My Computer" icon and click the CD-ROM icon.

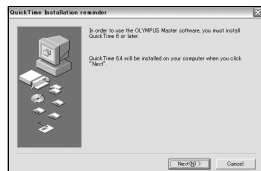
**2****Click the "OLYMPUS Master".**

- The QuickTime installation screen is displayed.
- QuickTime is required to use OLYMPUS Master. If the QuickTime screen is not displayed, QuickTime 6 or later is already installed on the computer. In this case, go to step 4.



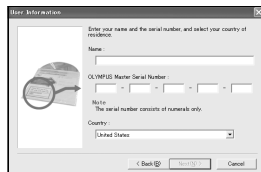
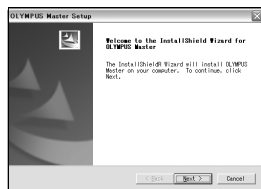
3 Click “Next” and follow the on-screen instructions.

- When the QuickTime licensing agreement is displayed, read the agreement and click “Agree” to proceed with the installation.
- The OLYMPUS Master installation screen is displayed.



4 Follow the on-screen instructions.

- When the OLYMPUS Master licensing agreement is displayed, read the agreement and click “Yes” to proceed with the installation.
- When the “User Information” dialog box is displayed, enter your “Name” and “OLYMPUS Master Serial Number”; select your country and click “Next”. Refer to the sticker on the CD-ROM package for the serial number.
- When the DirectX licensing agreement is displayed, read the agreement and click “Yes”.
- A screen asking whether or not you want to install Adobe Reader is displayed. Adobe Reader is required to read the OLYMPUS Master instruction manual. If this screen is not displayed, Adobe Reader is already installed on your computer.



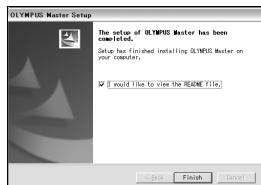
5 To install Adobe Reader, click “OK”.

- To cancel installation, click “Cancel”. Go to Step 7.
- The Adobe Reader installation screen is displayed. Follow the on-screen instructions.



6 Follow the on-screen instructions.

- The screen confirming that installation is completed is displayed. Click "Finish".



7 Select the option to restart immediately when the screen asking you if you wish to restart the computer is displayed and click "OK".

- The computer restarts.
- Remove the CD-ROM from the CD-ROM drive and store it.

Macintosh

1 Insert the CD-ROM into the CD-ROM drive.

- The CD-ROM window is displayed.
- If the CD-ROM window is not displayed, double-click the CD-ROM icon on the desktop.



2 Double-click on the desired language folder.

3 Double-click the "Installer" icon.

- The OLYMPUS Master installer starts up.
- Follow the on-screen instructions.
- When the OLYMPUS Master licensing agreement is displayed, read the agreement and click "Continue" and then "Agree" to proceed with the installation.
- The screen confirming that installation is completed is displayed.



4 Click "Finish".

- The first screen is displayed.

5 Click "Restart".

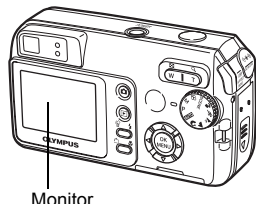
- The computer restarts.
- Remove the CD-ROM from the CD-ROM drive and store it.

Connecting the camera to a computer

Use the USB cable provided with the camera to connect the camera to your computer.

1 Make sure the camera is turned off.

- The monitor is off.
- The lens is retracted.

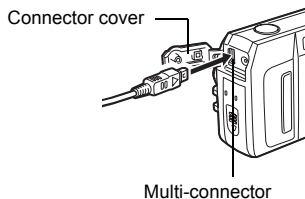


2 Plug the USB cable into the USB port on the computer.

- Refer to your computer's instruction manual to locate the position of the USB port.

3 Plug the other end of the USB cable into the camera's multi-connector.

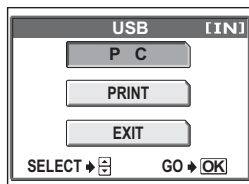
- The camera turns on automatically.
- The monitor turns on and the selection screen for the USB connection is displayed.



4 Select [PC], and press .

5 The camera is recognized by the computer.

- Windows 98SE/Me/2000
When you connect the camera to your computer for the first time, the computer attempts to recognize the camera. Click "OK" to exit the message that is displayed. The camera is recognized as a "Removable Disk".



- Windows XP

When the camera is connected to the computer, the screen for selecting an image file operation is displayed. As OLYMPUS Master will be used to download images, click “Cancel”.

- Mac OS X

The iPhoto program is the default application for managing digital images. When you connect your digital camera for the first time, the iPhoto application starts automatically, so close this application and start OLYMPUS Master.



Note

- The camera functions are disabled while the camera is connected to a computer.

Starting up OLYMPUS Master

Windows


1

Double-click the “OLYMPUS Master” icon  on the desktop.

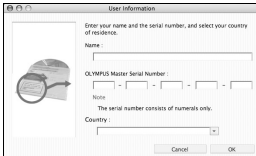
- The main menu is displayed.
- When OLYMPUS Master is started up for the first time after installation, the “Registration” dialog box is displayed before the main menu. Follow the prompts and fill in the registration form.

Macintosh

1

Double-click the “OLYMPUS Master” icon  in the “OLYMPUS Master” folder.

- The main menu is displayed.
- When OLYMPUS Master is started up for the first time, the “User Information” dialog box is displayed before the main menu. Enter your “Name” and “OLYMPUS Master Serial Number”, and select your country.
- After the “User Information” dialog box, the “Registration” dialog box is displayed. Follow the prompts and fill in the registration form.

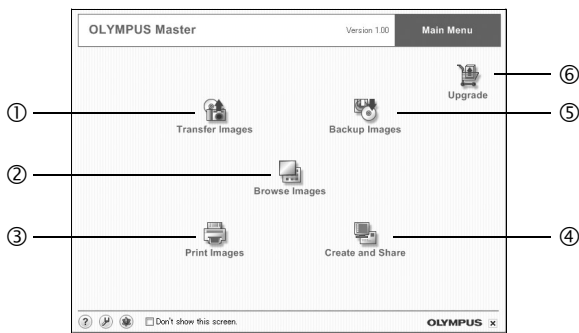


The dialog box titled "User Information" contains the following fields and instructions:

- Name:** A text input field with the instruction "Enter your name and the serial number, and select your country of residence."
- OLYMPUS Master Serial Number:** A text input field with the instruction "The serial number consists of numerals only."
- Country:** A dropdown menu.

At the bottom right are "Cancel" and "OK" buttons.

● OLYMPUS Master main menu



- ① **“Transfer Images” button**
Downloads images from the camera or other media.
- ② **“Browse Images” button**
Displays the browse window.
- ③ **“Print Images” button**
Displays the print menu.
- ④ **“Create and Share” button**
Displays the editing menu.
- ⑤ **“Backup Images” button**
Creates backup images.
- ⑥ **“Upgrade” button**
Displays window for optional upgrade to OLYMPUS Master Plus.

● To exit OLYMPUS Master

1

Click the **“Exit”**  on the main menu.

- OLYMPUS Master is exited.


Displaying camera images on a computer

Downloading and saving images

You can save camera images on your computer.

- 1 Click **“Transfer Images”**  on the **OLYMPUS Master** main menu.

- The menu for selecting the source is displayed.

- 2 Click **“From Camera”** .

- The window for selecting images is displayed. All the images in the camera are displayed.

- 3 Select the image files and click **“Transfer Images”**.

- A window indicating that the download is complete is displayed.

- 4 Click **“Browse images now.”**

- The downloaded images are displayed in the browse window.
- To return to the main menu, click “Menu” in the “Browse” window.



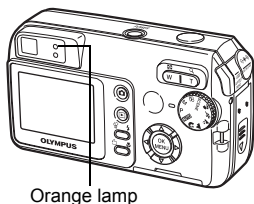
Note

- The orange lamp beside the viewfinder blinks while downloading images. Do not do any of the following while the lamp is blinking.
 - Open the camera's card cover.
 - Open the camera's battery compartment cover.
 - Connect or disconnect the AC adapter.

● To disconnect the camera

You can disconnect the camera after downloading the images to your computer.

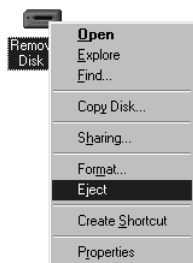
- 1 Make sure that the orange lamp beside the viewfinder is off.**




- 2 Make the following preparations for disconnecting the USB cable.**

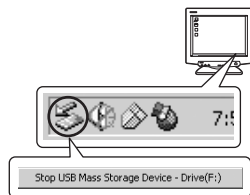
Windows 98SE

- 1 Double-click the "My Computer" icon and right-click the "Removable Disk" icon to display the menu.
- 2 Click "Eject" on the menu.



Windows Me/2000/XP

- 1 Click the "Unplug or Eject Hardware" icon  in the system tray.
- 2 Click the message that is displayed.
- 3 When a message is displayed saying that the hardware can be ejected safely, click "OK".

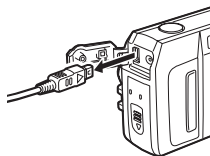


Macintosh

- 1 The trash icon changes to the eject icon when the "Untitled" or "NO_NAME" icon on the desktop is dragged. Drag and drop it on the eject icon.




3 Disconnect the USB cable from the camera.



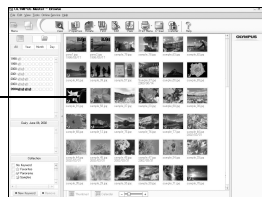
Note

- Windows Me/2000/XP: When you click “Unplug or Eject Hardware”, a warning message may be displayed. Make sure that image data is not being downloaded from the camera and that all applications are closed. Click the “Unplug or Eject Hardware” icon again and disconnect the cable.

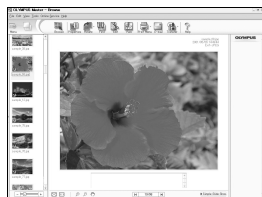
Viewing still pictures and movies

- Click “Browse Images”  on the OLYMPUS Master main menu.
- The “Browse” window is displayed.
- Double-click the still picture thumbnail that you want to view.

Thumbnail



- The camera switches to view mode and the picture is enlarged.
- To return to the main menu, click “Menu” in the “Browse” window.



● To view a movie

1 Double-click the movie thumbnail that you want to see in the "Browse" window.

- The camera switches to view mode and the first frame of the movie is displayed.

2 To play back the movie, click playback button at the bottom of the screen.

The names and functions of the controller parts are shown below.



	Item	Description
1	Playback slider	Move the slider to select a frame.
2	Time display	Displays the time that has elapsed during playback.
3	Playback (pause) button	Plays the movie. Functions as the pause button during playback.
4	Back button	Displays the previous frame.
5	Forward button	Displays the next frame.
6	Stop button	Stops playback and returns to the first frame.
7	Repeat button	Plays the movie repeatedly.
8	Volume button	Displays the volume adjustment slider.

Printing pictures

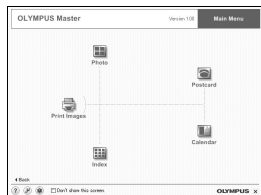
Pictures can be printed from the photo, index, postcard and calendar menus. The explanation below uses the photo menu.

1 Click "Print Images" on the OLYMPUS Master main menu.

- The print menu is displayed.

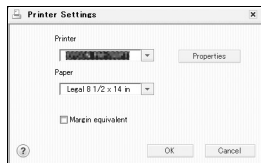
2 Click “Photo” .

- The “Photo Print” window is displayed.



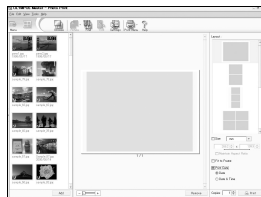
3 Click “Settings” in the “Photo Print” window.

- The printer settings screen is displayed. Make the necessary printer settings.



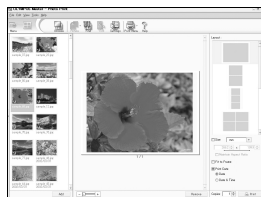
4 Select a layout and size.

- To print the date and time with your image, check the box next to “Print Date”, and select between “Date” and “Date & Time”.

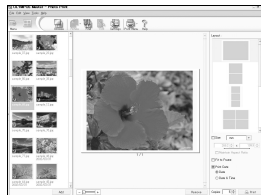


5 Select the thumbnail image that you want to print and click “Add”.

- A preview of the selected image is displayed on the layout.



6 Select the number of copies.



7 Click "Print".

- Printing starts.
- To return to the main menu, click "Menu" in the "Photo Print" window.

To download and save images to a computer without using OLYMPUS Master

This camera is compatible with USB mass storage. You can connect the camera to your computer using the USB cable provided with the camera to download and save images without using OLYMPUS Master. The following environment is required to use the USB cable to connect the camera to your computer.

Windows: Windows 98SE/Me/2000 Professional/XP

Macintosh: Mac OS 9.0 to 9.2/X

Note

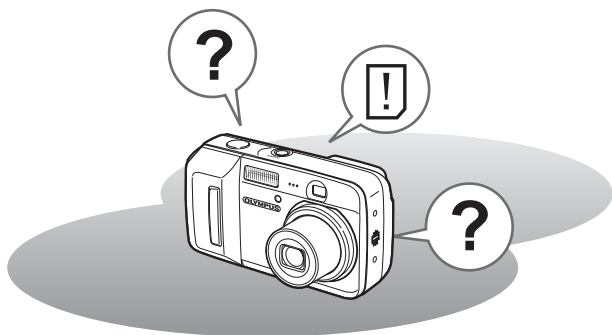
- If your computer is running Windows 98SE, you will need to install the USB driver. Before connecting the camera to your computer with the USB cable, double-click the files from the following folders on the OLYMPUS Master CD-ROM provided.
(Drive name):\USB\INSTALL.EXE
- Data transfer is not guaranteed in the following environments, even if your computer is equipped with a USB port.
 - Windows 95/98/NT 4.0
 - Windows 98SE upgrades from Windows 95/98
 - Mac OS 8.6 or earlier (However, data transfer is confirmed on Mac OS 8.6 equipped with a factory-installed USB port and USB MASS Storage Support 1.3.5.)
 - Computers with a USB port added by means of an extension card, etc.
 - Computers without a factory-installed OS and home-built computers.

Appendix

9









This chapter contains useful information from OLYMPUS.


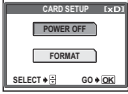


Here you will find what to do when you are stuck or don't understand the meaning of the terms used in this manual. Refer to this section for basic troubleshooting, camera care and a full glossary to understanding the terms used in this manual.



Troubleshooting


Error codes

Monitor indication	Possible cause	Corrective action
 CARD ERROR	There is a problem with the card.	This card cannot be used. Insert a new card.
 WRITE-PROTECT	Writing to the card is prohibited.	The recorded image has been protected (read-only) on a computer. Download the image to a computer and cancel the read-only setting.
 MEMORY FULL	The internal memory has no available space, and cannot record new data.	Insert a card, transfer pictures to a card, or erase unwanted pictures. Download important pictures to a computer before erasing.
 CARD FULL	The card has no available space, and cannot record new data (e.g. print reservations, function shooting, and memory backup).	Replace the card, or erase unwanted pictures. Download important pictures to a computer before erasing.
 NO PICTURE	There are no pictures in the internal memory or the card.	The internal memory or the card contain no pictures. Record pictures.
 PICTURE ERROR	There is a problem with the selected picture and it cannot be played back on this camera.	Use image processing software to view the picture on a computer. If that cannot be done, the image file is damaged.
 CARD-COVER OPEN	The card cover is open.	Close the card cover.
 Y/M/D	When the camera is used for the first time or the batteries have been removed for a long time, the date and time return to the factory default setting.	Set the date and time.



Monitor indication	Possible cause	Corrective action
 BATTERY EMPTY	The battery power is exhausted.	Replace the batteries with new ones, or charge the batteries.
	This card cannot be used with this camera or the card is not formatted.	<ul style="list-style-type: none"> • Format the card or replace. • Select [POWER OFF] and press . Insert a new card. • Select [FORMAT] and press . All data on the card is erased.







Troubleshooting







● Preparatory operations

Possible cause	Corrective action	Ref. page
The camera does not turn on or function buttons do not respond.		
The power is off.	Press the POWER switch to turn the camera on.	—
The batteries are loaded incorrectly.	Reload the batteries correctly.	—
The battery power is exhausted.	Replace the batteries with new ones, or charge the batteries.	—
The cold is temporarily affecting battery performance.	Warm the batteries by putting them in your pocket for a while.	—
The camera is in the sleep mode.	Operate the camera with the shutter button or  .	—
The camera is connected to a computer.	The camera will not operate while it is connected to a computer.	—

● Shooting

Possible cause	Corrective action	Ref. page
No picture is taken when the shutter button is pressed.		
The battery power is exhausted.	Replace the batteries with new ones, or charge the batteries.	—
The camera is in the playback mode.	Press  to switch to the shooting mode.	P. 11
The flash has not finished charging.	Remove your finger from the shutter button, and wait until the orange lamp and the  (flash charge) indication stop blinking before taking the picture.	P. 42
The power is off.	Press the POWER switch.	P. 9
The internal memory or card is full.	Erase unwanted pictures or insert a new card. Before erasing, download important images to a computer.	P. 77
The battery power was exhausted during shooting or while the images were being written to the internal memory or card. (The Monitor turns off.)	Replace the batteries with new ones, or charge the batteries. Wait until the orange lamp turns off when blinking.	—
The memory gauge is full.	Wait until there is space in the memory gauge.	—

Possible cause	Corrective action	Ref. page
There is a problem with the card.	See "Error codes".	P. 122
The monitor does not turn on.		
The camera is set to [MONITOR OFF].	Press  in the shooting mode to display the top menu, then press  to select [MONITOR ON].	P. 24
The viewfinder or monitor is hard to see.		
There is condensation* inside the camera.	Turn the camera off and wait until it dries before turning it on again.	—
The brightness of the monitor is not adjusted properly.	Use [ ,  ,  , ] to adjust monitor brightness.	P. 89
The monitor is exposed to direct sunlight.	Block the sunlight with your hand or use the viewfinder while taking pictures.	—
Vertical lines appear on the monitor screen during shooting.	Aiming the camera at a bright subject in sunlight may cause vertical lines to appear on the screen. This is not a malfunction.	—
The date recorded with the image data is wrong.		
The date/time is not set.	Set the date/time. The clock adjustment is not factory-preset.	P. 90
The camera has been left without batteries.	If the camera is left without batteries for 3 days, the date/time setting is canceled. Set the date/time again.	P. 90
The settings are returned to the factory default settings when the camera is turned off.		
[ALL RESET] is set to [ON].	Set [ALL RESET] to [OFF].	P. 81
The picture is out of focus.		
The subject was too close.	Move further away from the subject. To take pictures closer than 20 cm (7.9") with the zoom in the maximum wide position, use the super macro mode.	P. 41
Auto focus is not possible.	Use the focus lock to focus on your subject.	P. 25
There is condensation* on the lens.	Turn the camera off and wait until it dries before turning it on again.	—

Possible cause	Corrective action	Ref. page
The monitor goes off.		
The camera is in the sleep mode.	Press the shutter button or  .	—
The power is turned off with the monitor off.	If [ALL RESET] is set to [OFF], the camera settings before the power was turned off remain unchanged. Turn on the monitor, and turn off the power.	P. 81
The flash does not fire.		
The subject is illuminated.	If you want the flash to fire on a brightly illuminated subject, set the flash to  .	P. 42
Sequential shooting is set.	The flash does not fire in the sequential shooting mode. Set  to [OFF].	P. 52
The camera records movies.	The flash does not fire in the movie mode. Select a shooting mode other than  .	P. 50
Super macro mode is set.	The flash does not fire in the super macro mode. Set  to [OFF] or  .	P. 41
Panorama mode is set.	The flash does not fire in the panorama mode.	P. 55
The battery run time is brief.		
You are using the camera in a cold environment.	Battery performance deteriorates in low temperatures. Keep the camera warm by putting it inside your coat or clothing.	—
The remaining battery power is not indicated correctly.	When battery consumption fluctuates considerably, the camera may turn off without displaying the battery warning indicator. Replace the batteries with new ones, or charge the batteries.	—
The green and orange lamps on the side of the viewfinder blink simultaneously.		
The battery power is exhausted.	Replace the batteries with new ones, or charge the batteries.	—

* Condensation: When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water.
Condensation occurs when the camera is suddenly taken from a cold place into a warm room.

● Playback of recorded images

Possible cause	Corrective action	Ref. page
Pictures in the internal memory cannot be played back.		
A card is inserted in the camera.	When a card is inserted, only pictures on the card can be played back. Remove the card.	P. 30, 33
The picture is out of focus.		
A subject unsuited to AF was taken.	Use the focus lock to focus on your subject.	P. 25
The camera moved when the shutter button was pressed.	Hold the camera correctly and press the shutter button gently. Camera movement occurs easily with slower shutter speeds. When you take a picture with [Ⓢ] in a night scene or a dark situation, use a tripod, or hold the camera firmly.	P. 23
The lens was dirty.	Clean the lens. Use a commercially available blower brush and then wipe with a lens cleaner to remove dust. Mold may form on the lens surface if the lens is left dirty.	P. 130
The picture is too bright.		
The flash was set to [⚡].	Select a flash mode other than [⚡].	P. 42
The center of the subject is too dark.	If the center of the subject is too dark, the surrounding area emerges as too bright. Adjust the exposure compensation toward minus (-).	P. 44
The [ISO] is at a high setting.	Set the [ISO] to [AUTO] or to a low sensitivity: [50]	P. 47
The aperture value is small in M mode.	Increase the aperture value or set the camera to P mode.	P. 46
The shutter speed is too slow in M mode.	Increase the shutter speed or set the camera to P mode.	P. 46
The picture is too dark.		
The flash was blocked by your finger.	Hold the camera correctly, keeping your fingers away from the flash.	P. 23

Possible cause	Corrective action	Ref. page
The subject was out of the working range of the flash.	Shoot within the flash working range.	P. 42
The subject was too small and was backlit.	Set the flash to [⚡], or use the spot metering mode.	P. 42, 46
The sequential shooting mode was used.	Higher shutter speeds are used during sequential shooting, which may result in pictures that are darker than usual. Set [] to [OFF].	P. 52
The center of the subject is too bright.	If the center of the subject is too bright, the image as a whole emerges darker. Adjust the exposure compensation toward plus (+).	P. 44
The aperture value is too high in M mode.	Decrease the aperture value or set the camera to P mode.	P. 46
The shutter speed is too fast in M mode.	Reduce the shutter speed or set the camera to P mode.	P. 46
Bright subjects such as snow will turn out darker than their natural colors in the image.	Adjust the exposure compensation toward plus (+).	P. 44
The colors of pictures look unnatural.		
Indoor lighting affected the picture's colors.	Set the white balance according to the lighting.	P. 48
No white in the picture.	Include something white in the picture, or shoot using [⚡].	P. 42
The white balance setting is wrong.	Adjust the white balance according to the light source.	P. 48
Part of the picture is dark.		
The lens was partly blocked by your finger or the strap.	Hold the camera correctly, keeping your fingers and the strap away from the lens.	P. 23
Pictures you have taken do not appear on the monitor.		
The power is off.	Press [] to turn the camera on in playback mode.	P. 10
The camera is in the shooting mode.	Press [] to switch to playback mode.	P. 10, 11

Possible cause	Corrective action	Ref. page
There are no pictures in internal memory or card.	[NO PICTURE] is displayed on the monitor. Record pictures.	—
There is a problem with the card.	See “Error codes”.	P. 122
The camera is connected to a TV.	The monitor does not function when the AV cable is connected to the camera.	P. 72
Single-frame erase and all-frame erase cannot be performed.		
The pictures are protected.	Cancel the protection of the pictures.	P. 75
No picture is displayed on the TV when connected to the camera.		
The video output signal is incorrect.	Set the video output signal according to the region where used.	P. 73
The TV video signal setting is incorrect.	Set the TV to the video input mode.	P. 72
The monitor is hard to see.		
The brightness of the monitor is not adjusted properly.	Use [] to adjust monitor brightness.	P. 89
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	—

● When the camera is connected to a computer or printer

Possible cause	Corrective action	Ref. page
The printer fails to connect.		
[PC] was selected on the monitor after connecting the camera to the printer with the USB cable.	Remove the USB cable, and start again from Step 1 of “Printing pictures”.	P. 93
The printer does not support PictBridge.	Refer to the printer’s instruction manual or contact the manufacturer.	—
The camera is not recognized by the computer.		
The computer failed to recognize the camera.	Disconnect the USB cable from the camera, and connect it again.	P. 93
The USB driver has not been installed.	Install OLYMPUS Master.	P. 108

Camera care

● Cleaning the camera

Exterior:

- Wipe gently with a soft cloth. If the camera is very dirty, soak the cloth in mild soapy water and wring well. Wipe the camera with the damp cloth and then dry it with a dry cloth. If you have used the camera at the beach, use a cloth soaked in clean water and wrung well.

Viewfinder and monitor:

- Wipe gently with a soft cloth.

Lens:

- Blow dust off the lens with a commercial blower, then wipe gently with a lens cleaner.

Note

- Do not use strong solvents such as benzene or alcohol, or chemically treated cloth.
- Mold may form on the lens surface if the lens is left dirty.

● Storage

- When storing the camera for extended periods, remove batteries, AC adapter and card, and keep in a cool, dry place that is well ventilated.
- Periodically insert batteries and test the camera functions.

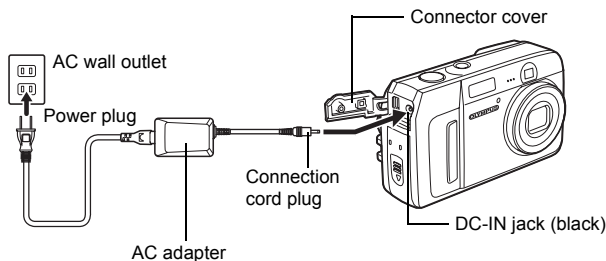
Note

- Avoid leaving the camera in places where chemical products are handled since this may result in corrosion.

AC adapter (optional)

An AC adapter is useful for time-consuming tasks such as image downloads to a computer.

An optional Olympus AC adapter allows you to power your digital camera from a common AC wall outlet.



? TIPS

- When the AC adapter is connected, the power is drawn from the AC adapter even if there are batteries in the camera. The batteries are not recharged.

! Note

- Do not connect or disconnect the AC adapter while the camera is turned on. Doing so could affect the camera's internal settings or functions.
- Be sure to read the instruction manual for the AC adapter.

Safety Precautions

Caution for Usage Environment

- To protect the high-precision technology contained in this product, never leave the camera in the places listed below, no matter if in use or storage:
 - Places where temperatures and/or humidity are high or go through extreme changes. Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers.
 - In sandy or dusty environments.
 - Near flammable items or explosives.
 - In wet places, such as bathrooms or in the rain. When using products with weatherproof designs, read their manuals as well.
 - In places prone to strong vibrations.
- Never drop the camera or subject it to severe shocks or vibrations.
- When mounted on a tripod, adjust the position of the camera with the tripod head. Do not twist the camera.
- Do not touch electric contacts on cameras.
- Do not leave the camera pointed directly at the sun. This may cause lens or shutter curtain damage, color failure, ghosting on the CCD, or may possibly cause fires.
- Do not push or pull severely on the lens.
- Before storing the camera for a long period, remove the battery. Select a cool, dry location for storage to prevent condensation or mold from forming inside the camera. After storage, test the camera by turning it on and pressing the shutter release button to make sure that it is operating normally.
- Always observe the operating environment restrictions described in the camera's manual.

Battery Handling Precautions

- Olympus NiMH batteries (included in some areas) are intended for use only with Olympus digital cameras. Never use these batteries with any other device.
- Always charge NiMH batteries (included in some areas) before using them for the first time, or if they have not been used for a long period.
- Always charge sets of batteries (included in some areas) (2 or 4) together.
- Do not use alkaline batteries unless it is absolutely necessary. In some cases, alkaline batteries may have a shorter service life than NiMH or CR-V3 lithium battery packs. Alkaline battery performance is limited, especially at low temperatures. The use of NiMH batteries is recommended.
- AA manganese (Zinc-Carbon) batteries cannot be used with this camera.
- When operating the camera with battery power at low temperatures, try to keep the camera and spare batteries as warm as possible. Batteries which run down at low temperatures may be restored after they are warmed at room temperature.

- Recommended temperature ranges for NiMH batteries:
 Operation 0°C to 40°C (32°F to 104°F)
 Charge 0°C to 40°C (32°F to 104°F)
 Storage..... -20°C to 30°C (-4°F to 86°F)
- Using, charging, or storing the batteries outside these ranges could shorten battery life or affect battery performance. Always unload the batteries from the camera before storing the camera for a long period.
- Before using NiMH or NiCd batteries, always read the provided instructions.
- The number of pictures you can take may vary depending on the shooting conditions or batteries.
- Before going on a long trip, and especially before traveling abroad, purchase an ample supply of extra batteries. The recommended batteries may be difficult to obtain while traveling.

LCD Monitor

- Do not push the monitor forcibly; otherwise the image may become vague, resulting in a Display mode failure or damage to the monitor.
- A strip of light may appear on the top/bottom of the monitor, but this is not a malfunction.
- When a subject is viewed diagonally in the camera, the edges may appear zigzagged on the monitor. This is not a malfunction; it will be less noticeable in playback mode.
- In places subject to low temperatures, the LCD monitor may take a long time to turn on or its color may change temporarily. When using the camera in extremely cold places, it is a good idea to occasionally place it in a warm place. An LCD monitor exhibiting poor performance due to low temperatures will recover in normal temperatures.
- The LCD used for the monitor is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD Monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.

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- Olympus makes no representations or warranties regarding any damages, or benefit expected by using this unit lawfully, or any request from a third person, which are caused by the inappropriate use of this product.
- Olympus makes no representations or warranties regarding any damages or any benefit expected by using this unit lawfully which are caused by erasing picture data.

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FCC Notice

- **Radio and Television Interference**

Changes or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Adjust or relocate the receiving antenna.
- Increase the distance between the camera and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult your dealer or an experienced radio/TV technician for help. Only the OLYMPUS-supplied USB cable should be used to connect the camera to USB enabled personal computers (PC).

Any unauthorized changes or modifications to this equipment would void the user's authority to operate.

Aperture

The adjustable lens opening which controls the amount of light that enters the camera. The larger the aperture, the shorter the depth of field and the fuzzier the background. The smaller the aperture, the greater the depth of field and the sharper the background. Larger aperture values indicate smaller apertures, and smaller aperture values indicate larger apertures.

CCD (Charge-Coupled Device)

This converts light passing through the lens into electrical signals. On this camera, light is picked up and converted into RGB signals to build a single image.

Contrast Detection Method

This is used to measure the distance to the subject. The camera determines if the image is focused by the level of contrast in the subject.

Conventional Photograph

This refers to recording images using silver halide (the method for recording images in conventional, non-digital photography). This system is in contrast to still video and digital photography.

DCF (Design Rule for Camera File System)

A standard for image files by the Japan Electronics and Information Technology Industries Association (JEITA).

Digital ESP Light Metering

This determines the exposure by metering and calculating the light levels in the center and other areas of the image separately.

DPOF (Digital Print Order Format)

This is for saving desired print settings on digital cameras. By entering which images to print and the number of copies of each, the user can easily have the desired images printed by a printer or print lab that supports the DPOF format.

Eclipsing (Vignetting)

This refers to when an object obscures part of the field of view so that the whole subject is not photographed. Eclipsing also refers to when the lens barrel obscures part of the view seen through the viewfinder. In addition, eclipsing can occur when an incorrect lens hood is used, causing shadowing to appear in the corners of the image.

EV (Exposure Value)

A system for measuring exposure. EV0 is when the aperture is at F1 and the shutter speed is 1 second. The EV then increases by 1 each time the aperture increases by one F stop or the shutter speed increases by one increment. EV can also be used to indicate brightness and ISO.

Exposure

The amount of light used to capture an image. The exposure is determined by the time the shutter is open (shutter speed) and the amount of light that passes through the lens (aperture).

Image size

The size of an image expressed by the number of pixels that make up the image. For instance, a picture taken with an image size of 640×480 fills the computer screen when the monitor setting is 640×480 . However, if the monitor setting is $1,024 \times 768$, the picture only takes up part of the screen.

ISO

A method for indicating film speed by the International Organization for Standardization (ISO) (ex. "ISO100"). Higher ISO values indicate greater sensitivity to light, so images can be exposed even in low-light conditions.

JPEG (Joint Photographic Experts Group)

A compression format for still images. Photographs (images) shot using this camera are recorded in JPEG format. By downloading these images to a computer, users can edit them using graphics application software or view the images using an Internet web browser.

M (Manual) Mode

The user sets both the aperture and shutter speed.

NTSC (National Television Systems Committee) / PAL (Phase Alternating Line)

Television formats. NTSC is mainly used in Japan, North America and Korea. PAL is mainly used in Europe and China.

PictBridge

A standard for connecting digital cameras and printers of different makers and printing out pictures directly.

Pixels

A pixel is the smallest unit (dot) used to make up an image. Clear large-sized printed images require millions of pixels.

P (Program) Mode

Also called Program AE mode. The camera automatically sets the best shutter speed and aperture for the shot.

Sleep Mode

A mode designed to save battery life. The camera automatically enters the sleep mode if you do not operate it for a certain time. To exit the sleep mode, use any button on the camera (shutter button, arrow pad, etc.).

TFT (Thin-Film Transistor) Color Monitor

A transistor color monitor constructed using thin-film technology.

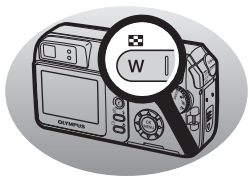
TTL (Through-The-Lens) System

To help adjust exposure, a light receptor built into the camera directly measures the light passing through the lens.

Miscellaneous

This chapter contains all the camera functions described in Chapters 1 to 8. Refer here for the names of the camera parts and buttons, the names and meanings of the icons that are displayed on the monitor, and the lists of the top menu and mode menus.


An index also helps you find the pages where a function or item that you are looking for appears. For effective use of the manual, reference page numbers are listed next to the names of the camera parts and in the menu lists.



Menu list

● Shooting mode (P, , , , , , , SCENE)

Top menu	Tab	Item	Setting	Ref. page
MODE MENU	CAMERA		OFF, ON	P. 53
		ESP/	ESP,	P. 46
			OFF, ON	P. 52
		ISO	AUTO, 50, 100, 200, 400	P. 47
		DIGITAL ZOOM	OFF, ON	P. 40
		(still pictures)	OFF, ON	P. 58
		FUNCTION	OFF, BLACK & WHITE, SEPIA, VIVID	P. 54
		PANORAMA		P. 55
		2 IN 1		P. 57
		NOISE REDUCTION	OFF, ON	P. 59
	PICTURE	WB	AUTO, , , , ,	P. 48
	MEMORY (CARD)	MEMORY FORMAT (FORMAT)	YES, NO	P. 79
		BACKUP	YES, NO	P. 76
	SETUP	ALL RESET	OFF, ON	P. 81
		*2		P. 82
		PW ON SETUP	SCREEN, SOUND	P. 83
		REC VIEW	OFF, ON	P. 85
			OFF, LOW, HIGH	P. 85
		BEEP	OFF, 1, 2	P. 86
		SHUTTER SOUND	OFF, 1, 2	P. 86
		FILE NAME	RESET, AUTO	P. 88
		PIXEL MAPPING	START	P. 89
				P. 89
				P. 90
		VIDEO OUT	NTSC, PAL	P. 73
SCENE SELECT, *1				P. 37 P. 53
			SHQ, HQ, SQ1, SQ2	P. 27
MONITOR ON, MONITOR OFF				P. 24

*1 [SCENE SELECT] is displayed when the camera is in **SCENE** mode. In other modes,  is displayed.






*2 Available languages vary depending on the area where you purchased this camera.

● Shooting mode (📷)

Top menu	Tab	Item	Setting	Ref. page	
MODE MENU	CAMERA		OFF, ON	P. 53	
		ESP/	ESP,	P. 46	
		ISO	AUTO, 50, 100, 200, 400	P. 47	
		DIGITAL ZOOM	OFF, ON	P. 40	
		FUNCTION	OFF, BLACK & WHITE, SEPIA, VIVID	P. 54	
	PICTURE	WB	AUTO, , , , ,	P. 48	
	MEMORY (CARD)	MEMORY FORMAT (FORMAT)	YES, NO	P. 79	
		BACKUP	YES, NO	P. 76	
	SETUP	ALL RESET	OFF, ON	P. 81	
		*1		P. 82	
		PW ON SETUP	SCREEN, SOUND	P. 83	
			OFF, LOW, HIGH	P. 85	
		BEEP	OFF, 1, 2	P. 86	
		FILE NAME	RESET, AUTO	P. 88	
		PIXEL MAPPING	START	P. 89	
				P. 89	
				P. 90	
		VIDEO OUT	NTSC, PAL	P. 73	
	(movies)			OFF, ON	P. 51
				HQ, SQ	P. 27
	MONITOR ON, MONITOR OFF				P. 24

*1 Available languages vary depending on the area where you purchased this camera.

● Shooting mode (AUTO)

Top menu	Item	Setting	Ref. page
SETUP	MEMORY FORMAT (FORMAT)	YES, NO	P. 79
	ALL RESET	OFF, ON	P. 81
	 *1		P. 82
	PW ON SETUP	OFF, 1, 2	P. 83
			P. 89
			P. 90
	VIDEO OUT	NTSC, PAL	P. 73
	BACKUP	YES, NO	P. 76
		OFF, ON	P. 53
		SHQ, HQ, SQ1, SQ2	P. 27
MONITOR ON, MONITOR OFF			P. 24







*1 Available languages vary depending on the area where you purchased this camera.

● Playback mode (still pictures)

Top menu	Tab	Item	Setting	Ref. page
MODE MENU	PLAY			P. 101, 102
			START	P. 68
	EDIT	ADD FRAME	NEW FILE, CANCEL	P. 66
		BLACK & WHITE	BLACK & WHITE, CANCEL	P. 66
		SEPIA	SEPIA, CANCEL	P. 66
			640 × 480, 320 × 240, CANCEL	P. 66
	MEMORY (CARD)	ALL ERASE	YES, NO	P. 78
		MEMORY FORMAT (FORMAT)	YES, NO	P. 79
		BACKUP	YES, NO	P. 76
	SETUP	ALL RESET	OFF, ON	P. 81
		*1		P. 82
		PW ON SETUP	SCREEN, SOUND	P. 83
		SCREEN SETUP		P. 84
			OFF, LOW, HIGH	P. 85
		BEEP	OFF, 1, 2	P. 86
		VOLUME	0 – 5	P. 87
				P. 89
				P. 90
		VIDEO OUT	NTSC, PAL	P. 73
			4, 9, 16	P. 62
		SETUP	NORMAL, SLIDE, FADER, ZOOM	P. 64
				P. 63
INFO				P. 74
				P. 75

*1 Available languages vary depending on the area where you purchased this camera.

● Playback mode (movies)












Top menu	Tab	Item	Setting	Ref. page
MODE MENU	EDIT	INDEX	OK, RESET, CANCEL	P. 69
		EDIT	OK, RESET, CANCEL	P. 70
	MEMORY (CARD)	ALL ERASE	YES, NO	P. 78
		MEMORY FORMAT (FORMAT)	YES, NO	P. 79
		BACKUP	YES, NO	P. 76
	SETUP	ALL RESET	OFF, ON	P. 81
		 *1		P. 82
		PW ON SETUP	SCREEN, SOUND	P. 83
			OFF, LOW, HIGH	P. 85
		BEEP	OFF, 1, 2	P. 86
		VOLUME	0 – 5	P. 87
				P. 89
				P. 90
		VIDEO OUT	NTSC, PAL	P. 73
			4, 9, 16	P. 62
MOVIE PLAY				P. 65
INFO				P. 74
				P. 75

*1 Available languages vary depending on the area where you purchased this camera.







List of factory default settings

The functions are set as follows when the camera leaves the factory.





● Shooting mode

FNo.	F2.8
Shutter speed	1/1000
Zoom	38 mm
Monitor	ON
Exposure compensation	0.0
FLASH MODE	AUTO (M:   
	OFF
ESP/ 	ESP
	OFF
	OFF
ISO	AUTO (M: 50)
SCENE SELECT	
DIGITAL ZOOM	OFF
PANORAMA	OFF
FUNCTION	OFF
2 IN 1	OFF
NOISE REDUCTION	OFF
 (still pictures)	OFF
 (movies)	ON
	HQ
WB	AUTO
REC VIEW	ON
FILE NAME	RESET
SHUTTER SOUND	1 – LOW

● Playback mode
















INFO	OFF
	OFF
	0°
	OFF
	9
 SETUP	NORMAL
	OFF
VOLUME	3

● Others

ALL RESET	ON
	ENGLISH
PW ON SETUP	SCREEN: 1, SOUND: 1
	NORMAL
	Y-M-D 2005.01.01 00:00
VIDEO OUT	NTSC or PAL*
	LOW
BEEP	1 – LOW

* Settings differ according to the region where the camera is sold.

Modes and shooting functions

Function \ Mode					
Zoom			✓*1		
DIGITAL ZOOM	—		✓*1		
FLASH MODE			✓*2		—
ESP/ 	—		✓		
			✓*3		
			✓*1, *3		
			✓		
	—		✓*4		—
FUNCTION	—		✓		
 (still pictures)	—		✓		—
 (movies)			—		✓
PANORAMA	—		✓*1		—
2 IN 1	—		✓*4		—
SCENE SELECT	—	✓		—	
NOISE REDUCTION	—		✓		—
			✓		
ISO	—		✓		
Exposure compensation	—	✓	—	✓	
WB	—			✓	
ALL RESET			✓		
			✓		
PW ON SETUP			✓		
REC VIEW	—		✓		—
FILE NAME	—		✓		
PIXEL MAPPING	—		✓		
			✓		

Function \ Mode	AUTO		SCENE	M	P	
				✓		
VIDEO OUT				✓		
	—			✓		
BEEP	—			✓		
SHUTTER SOUND	—			✓		—
MEMORY FORMAT (FORMAT)				✓		
BACKUP				✓		

✓: Available —: Not available

*1 Not including of **SCENE** mode.

*2 Not including , or of **SCENE** mode.

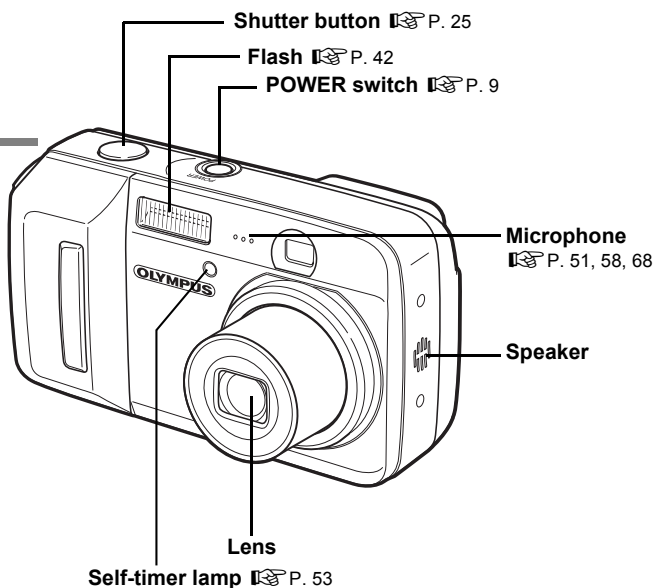
*3 Not including of **SCENE** mode.

*4 Not including , , , and of **SCENE** mode, and mode.

Names of parts

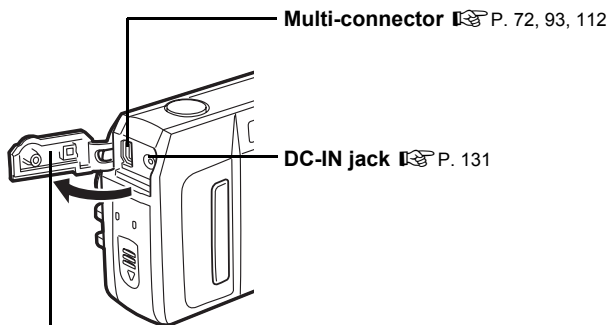
Camera

VISUAL INDEX

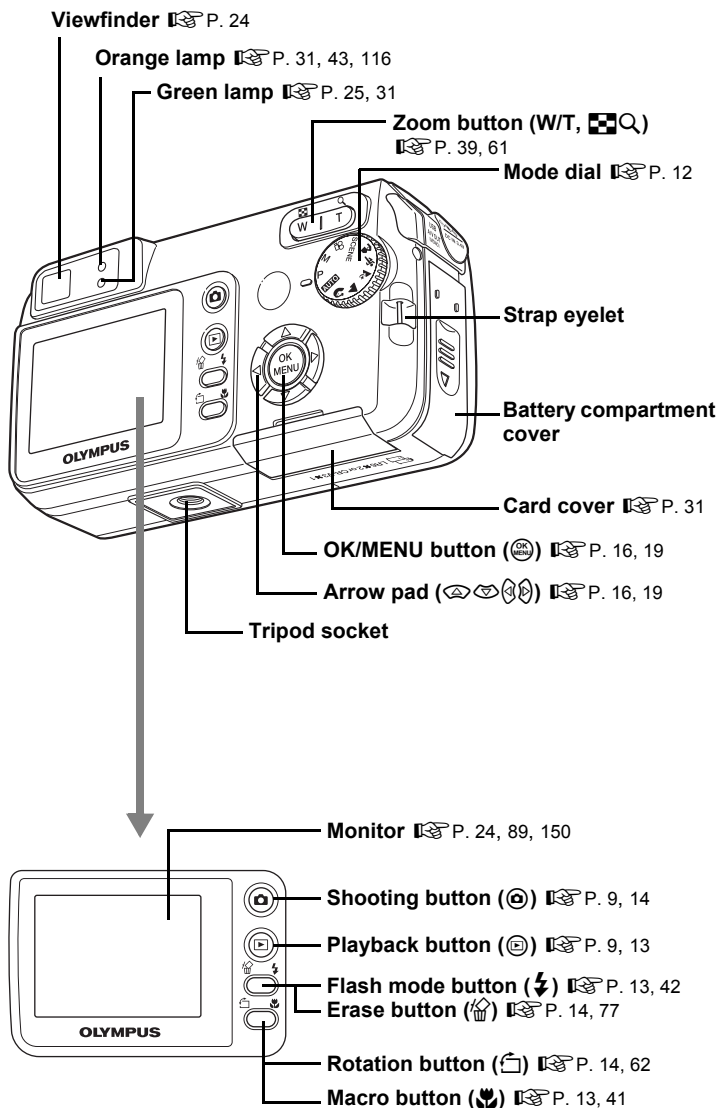


Miscellaneous

10



Connector cover P. 72, 93, 112, 131

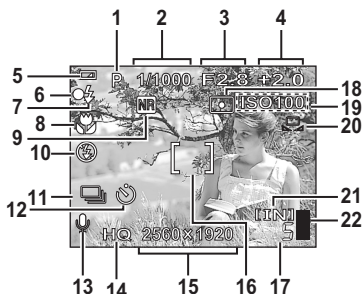


Monitor indications

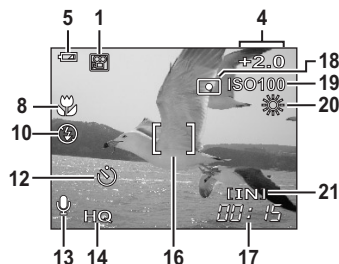
The [INFO] setting allows you to select how much information to display on the screen. Screens with the information display set on are shown below.

1. "Displaying detailed shooting information" (P. 74)

● Shooting modes








Still picture



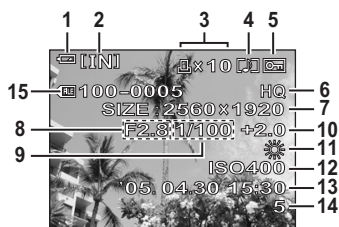
Movie

	Item	Indications	Ref. page
1	Shooting mode	P, AUTO , M,	P. 12, 35
2	Shutter speed	15" – 1/2000	P. 46
3	Aperture value	F2.8 – F7.0	P. 46
4	Exposure compensation Exposure differential	-2.0 – +2.0 -3.0 – +3.0	P. 44 P. 46
5	Battery check		–
6	Green lamp	○	P. 25, 31
7	Flash stand-by Flash charge	(Lights) (Blinks)	P. 43
8	Macro mode Super macro mode		P. 41
9	Noise reduction	NR	P. 59
10	Flash mode		P. 42
11	Sequential shooting		P. 52
12	Self-timer		P. 53

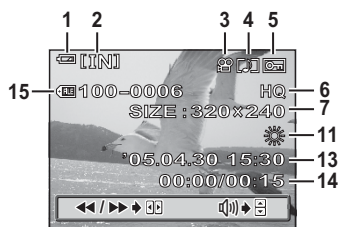
	Item	Indications	Ref. page
13	Sound record		P. 51, 58, 68
14	Record mode	SHQ, HQ, SQ1, SQ2, SQ	P. 27
15	Image size	2560 × 1920, 1600 × 1200, 640 × 480	P. 28
16	AF target mark	[]	P. 25
17	Number of storable still pictures	5	P. 28
	Remaining recording time	00:15	P. 50
18	Spot metering		P. 46
19	ISO	ISO50, ISO100, ISO200, ISO400	P. 47
20	White balance		P. 48
21	Memory *	[IN], [xD]	P. 30
22	Memory gauge		—

* [IN] is displayed when the internal memory is used. [xD] is displayed when the card is used.

● Playback mode



Still picture



Movie

	Item	Indications	Ref. page
1	Battery check		—
2	Memory *	[IN], [xD]	P. 30
3	Print reservation/ number of prints	x10	P. 97
4	Sound record		P. 65
5	Protect		P. 58
6	Record mode	SHQ, HQ, SQ1, SQ2, SQ	P. 75
7	Image size	2560 × 1920, 1600 × 1200, 640 × 480, 320 × 240	P. 27
8	Aperture value	F2.8 – F7.0	P. 28
9	Shutter speed	15" – 1/2000	P. 46
10	Exposure compensation	-2.0 – +2.0	P. 44
11	White balance	WB AUTO, , , , ,	P. 48
12	ISO	ISO50, ISO100, ISO200, ISO400	P. 47
13	Date and time	'05.04.30 15:30	P. 90
14	Frame number Playing time/Total recording time	5 00:00/00:15	P. 99 P. 65
15	File number	100 – 0005	P. 88


* [IN] is displayed when the internal memory is used. [xD] is displayed when the card is used.

! Note




- The indications on the movie frame before playback differ from the indications displayed during playback.

Index




For reference page numbers relating to camera parts, see "Names of parts".

 SETUP	64
2 IN 1	57





A

AC adapter	131
ADD FRAME	66
AF target mark	25
ALL INDEX	96
ALL PRINT	96
ALL RESET	81
All-frame erase 	78
All-frame reservation 	102
Aperture value	46
AUTO (shooting mode) AUTO	35
Auto focus	26
Auto-flash	42
AV cable	72
AVAILABLE LIGHT PORTRAIT 	38


B

BACKUP	76
Battery	132
Battery check	150, 152
BEACH 	37
BEEP	86
Beep sound 	85
BEHIND GLASS 	38
BLACK & WHITE	54, 66

C

CANDLE 	38
Card	28, 30, 31
CCD	89, 136
Close-up playback 	61
Cloudy day 	48
Compression	27
CUISINE 	38

D







Date and time 	90
DCF	136

DIGITAL ZOOM	40
Direct printing	92
DPOF	99, 136

E

EDIT	69, 70
Error codes	98, 122
ESP metering	46, 136
EV	44, 136
Exposure	25, 136
Exposure compensation	13, 44



F

FADER	64
FILE NAME	88
File name	88
File No.	88
Fill-in flash 	42
FIREWORKS 	37
Flash charging	43
Flash mode 	13, 42
Flash off 	42
Flash stand-by	43
Fluorescent lamp 	48
Focus	25
Focus lock	25
Folder name	88
Format	79
FORMAT 	79
FUNCTION	54

H







HQ	27, 29
----------	--------


I


Image size	27, 137
INDEX	69
Index display 	61, 62
INDOOR 	37
Information display INFO	74
Internal memory	30
ISO	47, 137



J
JPEG 137




L
LANDSCAPE  35
LANDSCAPE+PORTRAIT  35







M
Macro mode shooting  41
MANUAL **M** 36, 46
MEMORY FORMAT  79
Metering  46
MODE MENU 16
Monitor brightness adjustment  89
MONITOR OFF 24
MONITOR ON 24
Motion-JPEG 28
MOVIE PLAY  65
Movie recording  36, 50
MULTI PRINT 96












N
NIGHT SCENE  35
NOISE REDUCTION **NR** 59
NORMAL 64
NTSC 73, 137
Number of storable still pictures 28




O
OLYMPUS Master 107, 113
One-touch white balance  48, 49
Optical zoom 39

P
PAL 73, 137
PANORAMA 55
PC 112
PictBridge 92, 137
Picture rotation  14, 62
PIXEL MAPPING 89
Pixels 27, 137
Playback mode  10, 11, 61


Playback on a TV 72
PORTRAIT  35
Press fully 26
Press halfway 25
PRINT 93, 96
PRINT ORDER 96
Print settings  99
PROGRAM AUTO **P** 35
Protect  75
PW ON SETUP 83

R
REC VIEW 85
Record mode  27, 29
Recording sound  58, 68
Recording sound with movies  51
Recording sound with still pictures  58
Red-eye reduction flash  42
Remaining recording time 28
Resizing  66

S
Scene mode shooting **SCENE** 37
SCENE SELECT 36, 37
SCREEN SETUP 84
Selecting a language  82
SELF PORTRAIT  37
Self-timer  53
SEPIA 54, 66
Sequential shooting  52
Shooting mode  9, 11, 13
Shortcut Menus 16
SHQ 27, 29
SHUTTER SOUND 86
Shutter speed 46
Single-frame erase  14, 77
Single-frame reservation  101
Sleep mode 137
SLIDE 64
Slideshow  63
SNOW  37
SPORT  35
Spot  46

SQ	27, 29
STANDARD	92
Sunny day 	48
SUNSET 	37
Super macro shooting 	41

T

Top menu	16
Tungsten light 	48

U

USB cable	93, 112
USB driver	108, 120

V

VIDEO OUT	73
VIVID	54
VOLUME	87

W

White balance WB	48
-------------------------------	----

X

xD-Picture Card	31
-----------------------	----

Z

ZOOM	64
Zoom	13, 39



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* Please note some (mobile) phone services/provider do not permit access or request an
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